

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- Black Body Dimming duplicates halogen dimming, offering a soft, natural, warm glow as light levels are reduced
- CCT "warms" from 2700K to 1800K, while staying on the Black Body Locus, when dimming
- Comparable light output to 26W, 32W, 42W and 2x26W CFL while consuming 11, 15, 26 and 34 watts.
- No harmful ultraviolet or infrared wavelengths • No lead or mercury

PRODUCT SPECIFICATIONS

OPTICS

• **Cone:** Self-flanged or flangeless clear Alzak® diffuse (CD) cone • Alzak® cone with low iridescent finish is standard • Others Alzak finishes are available; see trim options • Computer-optimized reflector maximizes fixture efficiency • Deep regression of source produces a very low glare system • Lensed mixing chamber conceals the LEDs to produce uniform aperture luminance

Flangeless: Must be used with IFMA6 accessory

ELECTRICAL

• **LED Light Engine:** Proprietary micro-processor controlled light engine duplicates dimming performance of halogen light source • Natural white light on the Planckian curve • 2700K color temperature at full lumen output • 90+ CRI

• **Driver:** Power factor >0.9 • Dimming down to 5% • Dimmable using 0-10V protocol (2000, 3000 lumen only) and Triac dimming (800, 1200 lumen, 120V only)

• **Life:** Rated for 50,000 hours at 70% lumen maintenance

MECHANICAL

• **Housing:** Heavy gauge cold rolled steel with black finish • Universal housing design installs in suspended grid, plaster or drywall • Integral cast aluminum heat sink conducts heat away from LED light engine • Light engine and driver are accessible from above and below ceiling and can be upgraded to accommodate future technology improvements.

• **Mounting Frame:** Heavy gauge steel lower housing ring with factory installed spring steel friction clips securely hold flanged cones in ceiling • Integrated torsion springs to hold flangeless cone in ceiling • Accommodates ceilings up to 3/4" thick • For thicker ceilings; consult factory

• **Mounting Bracket:** Mounting brackets have 3" vertical adjustment and accept proprietary Tru-Lock bar hangers, 1-1/2" C-channel and flat linear bars (ordered as accessories) or 1/2" EMT, 3/4" and 1-1/2" lathing channel (by others) • One-piece Tru-Lock bar hangers have integral T-bar locking screws and alignment notches for locating and locking fixture in the center or 1/4 tile increments

• **Junction Box:** Junction box rated for eight No. 12 AWG 90° C branch circuit conductors (4-in, 4-out)

• **Flangeless Adapter (FM Option with IFMA accessory):** Allows drywall to be finished flush with cone flange

LABELS AND LISTINGS

- UL listed for feed through and damp locations • I.B.E.W. Union made • Wet Location listing available, see reflector ordering options • EMI complies with FCC 47, Part 15, Class A
- UL and cUL, RoHS compliant • ARRA compliant

Warranty-5YR: 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

K13.1.21

indy™

DESIGNER SERIES
BLACK BODY DIMMING
6" 800 to 3000 LUMEN
LED ROUND DOWNLIGHT
OPEN APERTURE
SD6 SERIES

Type	Cat. No.
_____	_____
Project: _____	
Notes: _____	

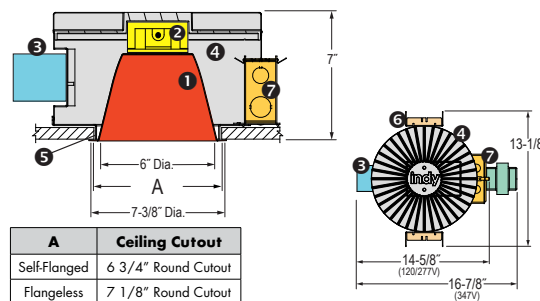


Self-Flanged

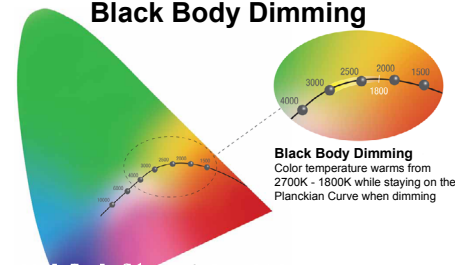


Flangeless

DIMENSIONS



Black Body Dimming



Black body dimming fixtures perfectly emulate incandescent dimming, warming from 2700K - 1800CCT while staying on the Planckian Curve and maintaining high CRI and R9 values throughout dimming range.

ORDERING INFORMATION: Complete Catalog # Example Includes (Rough-In, option, reflector, accessory): SD6 20LM BBD 277 G4 90CRI ZT F D CS PF HBTL

ROUGH-IN										REFLECTOR*				
SERIES	LIGHT ENGINE LUMENS	COLOR TEMP.	VOLTAGE	GENERATION	CRI	DRIVER	ROUGH-IN OPTIONS		TRIM STYLE	FINISH		TRIM OPTIONS		MOUNTING
SD6														
SD6 6" Designer Series Round New Construction Downlight See mounting for Flangeless	• 08LM 800 Lumens	BBD Black Body Dimming	120	G4 Generation 4	90CRI 90+ CRI	TD Triac Dimming (08LM, 12LM) ZT 0-10V Dimming (20LM, 30LM)	F Fuse and Fuse Holder CP Chicago Plenum BP 120/277V Emergency Battery Pack w/Remote Test Switch (Not compatible with CP option)	D Downlight	BD Black Diffuse BS Black Specular BZD Bronze Diffuse BZS Bronze Specular CD Clear Diffuse CS Clear Specular CSS Clear Semi-Specular	GD Gold Diffuse GS Gold Specular PTD Pewter Diffuse PTS Pewter Specular WH White WTD Wheat Diffuse WTS Wheat Specular	PF White Flange WET Wet Location	Blank Flanged (must be ordered with IFMA6 accessory)	Blank Flanged	Blank Flanged
	• 12LM 1200 Lumens		120 Volt											
	• 20LM 2000 Lumens		277											
	• 30LM 3000 Lumens		277 Volt											
	• 120V only		347											
			347 Volt											

ACCESSORIES

ACCESSORY OPTIONS

HB28	28" C-Channel Bar Hangers, Pair	IFMA6	6" Round flangeless adapter for drywall ceilings (Required)
HB52	52" C-Channel Bar Hangers, Pair	INSA6/XX	6" Sloped Ceiling Adapter - Angle must be specified when ordering: XX = 05/10/15/20/25/30
HBTL	25" Tru-Lock Grid Ceiling Bar Hangers, Pair		

* To order reflector separately, use series and reflector option values. Ex: SD6 D CS PF
+ To order flangeless Rough-In separately, add FM to end of part number. FM must be applied to both housing and trim part numbers.

ENGINEERING DATA (347V available, consult factory)

Voltage	120V				277V			
Fixture Lumens	850	1250	2000	3000	850	1250	2000	3000
CCT	2700K				2700K			
Current	0.093	0.129	0.216	0.285	-	-	0.101	0.128
Input Wattage	11.0	15.3	25.6	33.9	-	-	26.0	34.0
Input Frequency	50/60Hz				50/60Hz			
THD%	16.06	13.59	17.53	14.61	-	-	23.73	20.5
Power Factor	0.976	0.987	0.984	0.988	-	-	0.928	0.953

2700K CCT

Catalog Number: **SD6 30LM BBD 120;**
SD6 D CS

PHOTOMETRIC REPORT

Test Number: PR01141691

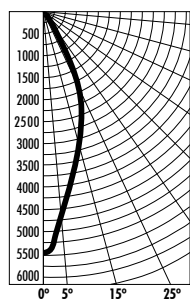
Total Lumen Output: 2427 Lumens

Luminaire Efficacy: 69.7 lm/w

Luminaire Spacing Criteria: 0.57

Luminaire: Clear specular Alzak® reflector. Open bottom.

CIE-Type: Direct

**Candlepower Distribution**
(Candelas)

Angle	Candela	Lumens
0°	5476	
5°	4689	448
15°	3181	902
25°	1803	835
35°	375	236
45°	3	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0

LUMEN MULTIPLIER:

2000 X	.67
1250 X	.42
850 X	.28

Initial Footcandles

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter
6'	152.1	65.1	4.0'
7'	111.8	47.8	4.6'
8'	85.6	36.6	5.3'
9'	67.6	28.9	6.0'
10'	54.8	23.4	6.6'
11'	45.3	19.4	7.3'
12'	38.0	16.3	7.9'
13'	32.4	13.9	8.6'
14'	27.9	12.0	9.3'
15'	24.3	10.4	9.9'

Luminance Data

Angle in Degrees	Candela/M ²
45°	216
55°	0
65°	0
75°	0
85°	0

Zonal Lumen Summary

Zone	Lumens%	%Fixture
0-30°	2184	90.0
0-40°	2420	99.7
0-60°	2422	99.8
0-90°	2426	100.0
90-180°	0	0.0
0-180°	2426	100.0

AVERAGE INITIAL FOOTCANDLES

Reflectances: 80% Ceiling, 50% Walls, 30% Floors

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	109	92	76
6' x 6'	76	64	53
7' x 7'	55	47	39
8' x 8'	42	36	30
9' x 9'	34	28	23
10' x 10'	27	23	19
11' x 11'	22	19	16
12' x 12'	19	16	13

COEFFICIENTS OF UTILIZATION - % (Zonal Cavity Method)

Effective Floor Reflectance 20%

PCC	80				70				50			30			10			0
PW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	110	110	110	106	106	106	101	101	101	99
1	113	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	104	99	95	91	102	97	94	90	95	92	89	93	90	88	90	88	86	85
4	100	94	89	85	98	93	88	85	91	87	84	89	85	83	87	84	82	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77
6	92	85	80	76	91	84	79	76	82	78	75	81	78	75	80	77	74	73
7	89	81	76	72	87	80	75	72	79	75	71	78	74	71	77	73	71	70
8	85	77	72	68	84	76	72	68	75	71	68	75	71	68	74	70	68	66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	65	63
10	79	71	66	62	78	70	65	62	69	65	62	69	65	62	68	64	62	61

2700K CCT

Catalog Number: **SD6 30LM BBD 120;**
SD6 D CD

PHOTOMETRIC REPORT

Test Number: PR01141693

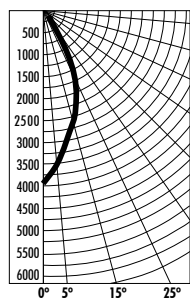
Total Lumen Output: 2261 Lumens

Luminaire Efficacy: 65.7 lm/w

Luminaire Spacing Criteria: 0.69

Luminaire: Clear Satin Alzak® reflector. Open bottom.

CIE-Type: Direct

**Candlepower Distribution**
(Candelas)

Angle	Candela	Lumens
0°	3941	
5°	3531	337
15°	2667	756
25°	1759	814
35°	434	273
45°	78	61
55°	16	14
65°	3	3
75°	3	3
85°	0	0

LUMEN MULTIPLIER:

2000 X	.67
1250 X	.42
850 X	.28

Initial Footcandles

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter
6'	109.5	42.3	5.2'
7'	80.4	31.1	6.1'
8'	61.6	23.8	6.9'
9'	48.7	18.8	7.8'
10'	39.4	15.2	8.7'
11'	32.6	12.6	9.5'
12'	27.4	10.6	10.4'
13'	23.3	9.0	11.3'
14'	20.1	7.8	12.1'
15'	17.5	6.8	13.0'

Luminance Data

Angle in Degrees	Candela/M ²
45°	6,059
55°	1,521
65°	402
75°	577
85°	0

Zonal Lumen Summary

Zone	Lumens%	%Fixture
0-30°	1907	84.4
0-40°	2180	96.4
0-60°	2255	99.7
0-90°	2261	100.0
90-180°	0	0.0
0-180°	2261	100.0

AVERAGE INITIAL FOOTCANDLES

Reflectances: 80% Ceiling, 50% Walls, 30% Floors

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	100	84	68
6' x 6'	70	58	47
7' x 7'	51	43	35
8' x 8'	39	33	26
9' x 9'	31	26	21
10' x 10'	25	21	17
11' x 11'	21	17	14
12' x 12'	17	15	12

COEFFICIENTS OF UTILIZATION - % (Zonal Cavity Method)

Effective Floor Reflectance 20%

PCC	80				70				50				30				10				0
PW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
0	118	118	118	118	115	115	115	115	110	110	110	106	106	106	101	101	101	99			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	94			
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88			
3	103	97	93	89	101	96	92	89	93	90	87	91	88	86	89	87	84	83			
4	99	92	87	83	97	91	86	82	89	85	81	87	83	81	85	82	80	78			
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74			
6	90	82	77	73	89	81	76	72	80	75	72	78	74	71	77	74	71	70			
7	86	78	72	68	85	77	72	68	76	71	68	75	71	68	74	70	67	66			
8	82	74	68	65	81	73	68	65	72	68	64	71	67	64	70	67	64	63			
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	61	59			
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	58	56			

2700K CCT

Catalog Number: **SD6 30LM BBD 120;**
SD6 D CSS

PHOTOMETRIC REPORT

Test Number: PR01141692

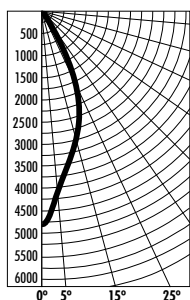
Total Lumen Output: 2346 Lumens

Luminaire Efficacy: 67.4 lm/w

Luminaire Spacing Criteria: 0.63

Luminaire: Clear semi-specular Alzak® reflector. Open bottom.

CIE-Type: Direct

**Candlepower Distribution**
(Candelas)

Angle	Candela	Lumens
0°	4810	
5°	4151	396
15°	3031	859
25°	1810	838
35°	346	217
45°	25	19
55°	10	9
65°	4	4
75°	3	3
85°	0	0

LUMEN MULTIPLIER:

2000 X	.67
1250 X	.42
850 X	.28

Initial Footcandles

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter
6'	133.6	54.7	4.5'
7'	98.2	40.2	5.3'
8'	75.2	30.8	6.1'
9'	59.4	24.3	6.8'
10'	48.1	19.7	7.6'
11'	39.8	16.3	8.3'
12'	33.4	13.7	9.1'
13'	28.5	11.6	9.8'
14'	24.5	10.0	10.6'
15'	21.4	8.7	11.3'

Luminance Data

Angle in Degrees	Candela/M ²
45°	1941
55°	923
65°	524
75°	660
85°	0

Zonal Lumen Summary

Zone	Lumens%	%Fixture
0-30°	2093	89.2
0-40°	2310	98.5
0-60°	2338	99.7
0-90°	2346	100.0
90-180°	0	0.0
0-180°	2346	100.0

AVERAGE INITIAL FOOTCANDLES

Reflectances: 80% Ceiling, 50% Walls, 30% Floors

Luminaire Spacing	Room Cavity Ratio		
	RCR1	RCR4	RCR8
5' x 5'	105	88	72
6' x 6'	73	61	50
7' x 7'	54	45	37
8' x 8'	41	34	28
9' x 9'	32	27	22
10' x 10'	26	22	18
11' x 11'	22	18	15
12' x 12'	18	15	13

COEFFICIENTS OF UTILIZATION - % (Zonal Cavity Method)

Effective Floor Reflectance 20%

PCC	80				70				50				30				10				0
PW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
0	118	118	118	118	115	115	115	115	110	110	110	106	106	106	101	101	101	99			
1	113	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	91			
2	109	104	101	98	106	103	99	97	99	97	95	94	93	93	94	92	91	89			
3	104	98	94	91	102	97	93	90	94	91	88	92	89	87	90	88	86	84			
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	78			
5	95	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	80			
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	72			
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	68			
8	84	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65			
9	81	73	68	64	80	72	67	64	71	67	64	70	66	64	70	66	63	62			
10	78	69	64	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59			

2700K CCT

Catalog Number: **SD6 30LM BBD 120 FM;**
SD6 D CS FM

PHOTOMETRIC REPORT

Test Number: PR01141691

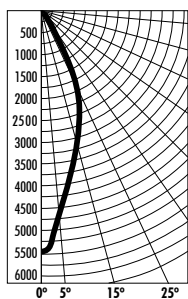
Total Lumen Output: 2427 Lumens

Luminaire Efficacy: 69.7 lm/w

Luminaire Spacing Criteria: 0.57

Luminaire: Clear specular Alzak® reflector. Open bottom.

CIE-Type: Direct

**Candlepower Distribution**
(Candelas)

Angle	Candela	Lumens
0°	5476	
5°	4689	448
15°	3181	902
25°	1803	835
35°	375	236
45°	3	2
55°	0	0
65°	0	0
75°	0	0
85°	0	0

LUMEN MULTIPLIER:

2000 X .67

1250 X .42

850 X .28

Initial Footcandles

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter
6'	152.1	65.1	4.0'
7'	111.8	47.8	4.6'
8'	85.6	36.6	5.3'
9'	67.6	28.9	6.0'
10'	54.8	23.4	6.6'
11'	45.3	19.4	7.3'
12'	38.0	16.3	7.9'
13'	32.4	13.9	8.6'
14'	27.9	12.0	9.3'
15'	24.3	10.4	9.9'

Luminaire Data

Angle in Degrees	Candela/M ²
45°	216
55°	0
65°	0
75°	0
85°	0

Zonal Lumen Summary

Zone	Lumens%	%Fixture
0-30°	2184	90.0
0-40°	2420	99.7
0-60°	2422	99.8
0-90°	2426	100.0
90-180°	0	0.0
0-180°	2426	100.0

AVERAGE INITIAL FOOTCANDLES

Reflectances: 80% Ceiling, 50% Walls, 30% Floors

Luminaire Spacing	RCR1	RCR4	RCR8
5' x 5'	109	92	76
6' x 6'	76	64	53
7' x 7'	55	47	39
8' x 8'	42	36	30
9' x 9'	34	28	23
10' x 10'	27	23	19
11' x 11'	22	19	16
12' x 12'	19	16	13

COEFFICIENTS OF UTILIZATION - % (Zonal Cavity Method)

Effective Floor Reflectance 20%

PCC	80	70	50	30	10	0
PW 70	118	118	118	115	115	115
0	118	118	118	115	115	115
1	113	111	109	107	105	103
2	109	105	101	98	95	92
3	104	99	95	91	87	84
4	100	94	89	85	81	77
5	96	89	84	80	76	72
6	92	85	80	76	72	68
7	89	81	76	72	68	64
8	85	77	72	68	64	60
9	82	74	69	65	61	57
10	79	71	66	62	58	54

2700K CCT

Catalog Number: **SD6 30LM BBD 120 FM;**
SD6 D CD FM

PHOTOMETRIC REPORT

Test Number: PR01141693

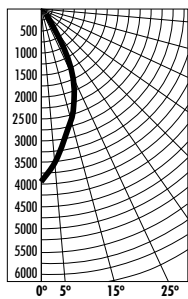
Total Lumen Output: 2261 Lumens

Luminaire Efficacy: 65.7 lm/w

Luminaire Spacing Criteria: 0.69

Luminaire: Clear Satin Alzak® reflector. Open bottom.

CIE-Type: Direct

**Candlepower Distribution**
(Candelas)

Angle	Candela	Lumens
0°	3941	
5°	3531	337
15°	2667	756
25°	1759	814
35°	434	273
45°	78	61
55°	16	14
65°	3	3
75°	3	3
85°	0	0

LUMEN MULTIPLIER:

2000 X .67

1250 X .42

850 X .28

Initial Footcandles

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter
6'	109.5	42.3	5.2'
7'	80.4	31.1	6.1'
8'	61.6	23.8	6.9'
9'	48.7	18.8	7.8'
10'	39.4	15.2	8.7'
11'	32.6	12.6	9.5'
12'	27.4	10.6	10.4'
13'	23.3	9.0	11.3'
14'	20.1	7.8	12.1'
15'	17.5	6.8	13.0'

Luminaire Data

Angle in Degrees	Candela/M ²
45°	6,059
55°	1,521
65°	402
75°	577
85°	0

Zonal Lumen Summary

Zone	Lumens%	%Fixture
0-30°	1907	84.4
0-40°	2180	96.4
0-60°	2255	99.7
0-90°	2261	100.0
90-180°	0	0.0
0-180°	2261	100.0

AVERAGE INITIAL FOOTCANDLES

Reflectances: 80% Ceiling, 50% Walls, 30% Floors

Luminaire Spacing	RCR1	RCR4	RCR8
5' x 5'	100	84	68
6' x 6'	70	58	47
7' x 7'	51	43	35
8' x 8'	39	33	26
9' x 9'	31	26	21
10' x 10'	25	21	17
11' x 11'	21	17	14
12' x 12'	17	15	12

COEFFICIENTS OF UTILIZATION - % (Zonal Cavity Method)

Effective Floor Reflectance 20%

PCC	80	70	50	30	10	0
PW 70	118	118	118	115	115	115
0	118	118	118	115	115	115
1	113	111	108	106	104	103
2	108	104	100	97	94	92
3	103	97	93	89	87	84
4	99	92	87	83	81	77
5	94	87	81	77	74	70
6	90	82	77	73	70	66
7	86	78	72	68	65	61
8	82	74	68	64	61	57
9	79	70	65	61	58	54
10	76	67	62	58	55	51

2700K CCT

Catalog Number: **SD6 30LM BBD 120 FM;**
SD6 D CSS FM

PHOTOMETRIC REPORT

Test Number: PR01141692

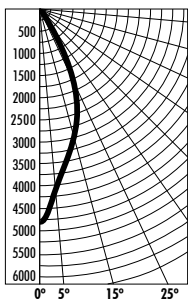
Total Lumen Output: 2346 Lumens

Luminaire Efficacy: 67.4 lm/w

Luminaire Spacing Criteria: 0.63

Luminaire: Clear semi-specular Alzak® reflector. Open bottom.

CIE-Type: Direct

**Candlepower Distribution**
(Candelas)

Angle	Candela	Lumens
0°	4810	
5°	4151	396
15°	3031	859
25°	1810	838
35°	346	217
45°	25	19
55°	10	9
65°	4	4
75°	3	3
85°	0	0

LUMEN MULTIPLIER:

2000 X .67

1250 X .42

850 X .28

Initial Footcandles

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Footcandles Beam Edge	Beam Diameter
6'	133.6	54.7	4.5'
7'	98.2	40.2	5.3'
8'	75.2	30.8	6.1'
9'	59.4	24.3	6.8'
10'	48.1	19.7	7.6'
11'	39.8	16.3	8.3'
12'	33.4	13.7	9.1'
13'	28.5	11.6	9.8'
14'	24.5	10.0	10.6'
15'	21.4	8.7	11.3'

Luminaire Data

Angle in Degrees	Candela/M ²
45°	1941
55°	923
65°	524
75°	660
85°	0

Zonal Lumen Summary

Zone	Lumens%	%Fixture
0-30°	2093	89.2
0-40°	2310	98.5
0-60°	2338	99.7
0-90°	2346	100.0
90-180°	0	0.0
0-180°	2346	100.0

AVERAGE INITIAL FOOTCANDLES

Reflectances: 80% Ceiling, 50% Walls, 30% Floors

Luminaire Spacing	RCR1	RCR4	RCR8
5' x 5'	105	88	72
6' x 6'	73	61	50
7' x 7'	54	45	37
8' x 8'	41	34	28
9' x 9'	32	27	22
10' x 10'	26	22	18
11' x 11'	22	18	15
12' x 12'	18	15	13

COEFFICIENTS OF UTILIZATION - % (Zonal Cavity Method)

Effective Floor Reflectance 20%

PCC	80	70	50	30	10	0
PW 70	118	118	118	115	115	115
0	118	118	118	115	115	115
1	113	111	109	107	105	103
2	109	104	101	98	95	92
3	104	98	94	91	87	84
4	100	93	88	85	81	77
5	95	88	83	79	76	72
6	92	84	79	75	72	68
7	88	80	75	71	68	64
8	84	76	71	67	64	60
9	81	73	68	64	61	57
10	78	69	64	61	58	54

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.