

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P792199

Luminaire Tested: LER6D35BD010-EC6DR7020359027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D35BD010-EC6DR7020359027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2167.9 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

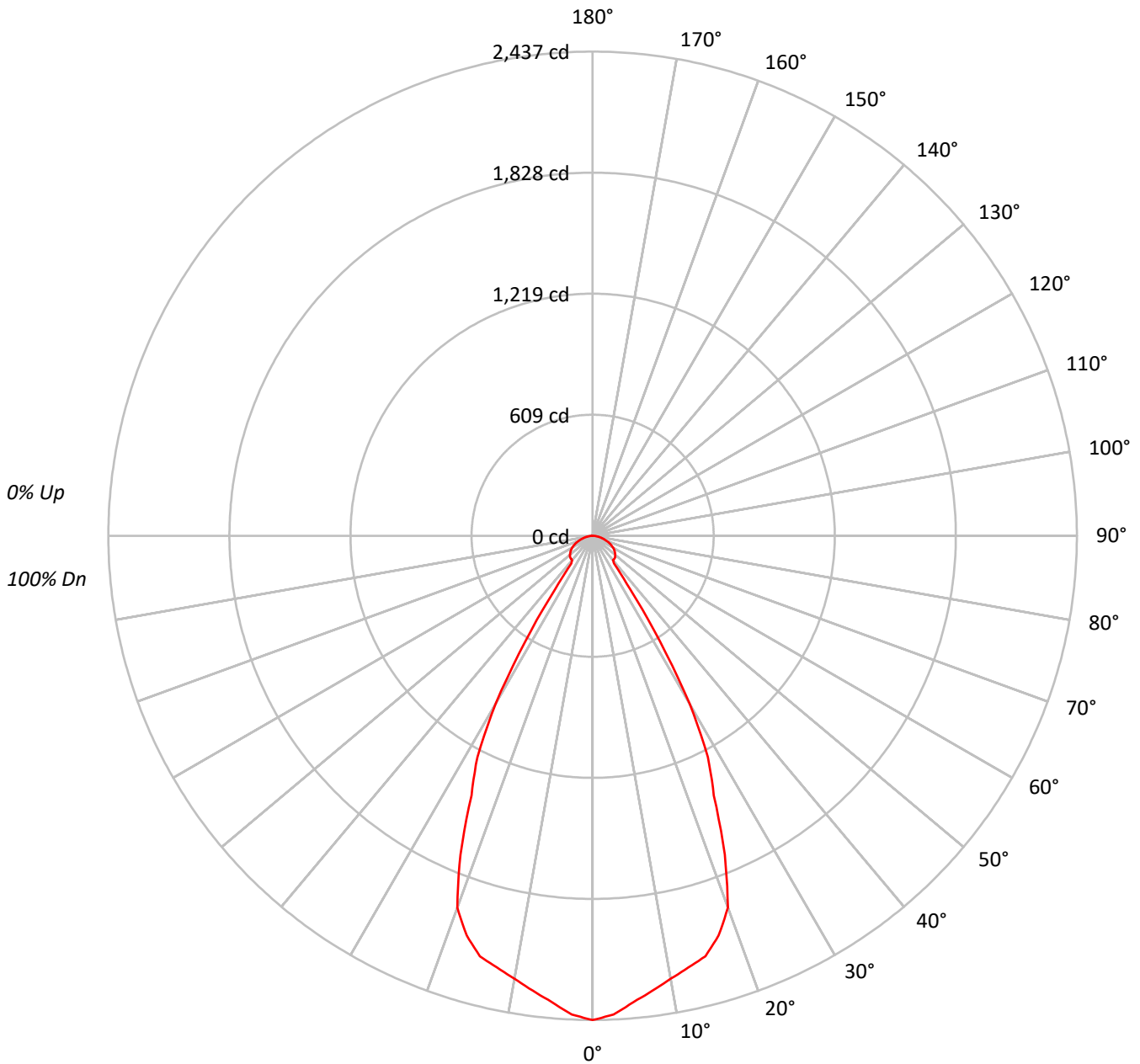


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	266301
5°	258391
10°	251182
15°	247892
20°	231476
25°	173902
30°	122934
35°	43549
40°	22892
45°	24383
50°	25259
55°	25735
60°	25895
65°	25336
70°	23927
75°	22163
80°	19694
85°	15921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 25895 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.2	10.3
10°-20°	609.5	28.1
20°-30°	671.3	31.0
30°-40°	256.5	11.8
40°-50°	121.1	5.6
50°-60°	120.4	5.6
60°-70°	96.4	4.4
70°-80°	55.4	2.6
80°-90°	15.1	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1503.0	69.3
0°-40°	1759.5	81.2
0°-60°	2001.0	92.3
0°-90°	2167.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2167.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2437	
5°	2356	222
15°	2192	610
25°	1442	671
35°	326	256
45°	158	121
55°	135	120
65°	98	96
75°	52	55
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2437.3
2.5°	2411.8
5°	2355.9
7.5°	2309.2
10°	2264.0
12.5°	2225.8
15°	2191.5
17.5°	2108.5
20°	1990.8
22.5°	1736.9
25°	1442.5
27.5°	1255.7
30°	974.4
32.5°	629.4
35°	326.5
37.5°	176.4
40°	160.5
42.5°	159.4
45°	157.8
47.5°	154.4
50°	148.6
52.5°	142.0
55°	135.1
57.5°	127.3
60°	118.5
62.5°	108.4
65°	98.0
67.5°	86.4
70°	74.9
72.5°	63.3
75°	52.5
77.5°	41.3
80°	31.3
82.5°	22.0
85°	12.7
87.5°	5.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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