

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: P792112

Luminaire Tested: LER6D35BD010-EC6DR6020359030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D35BD010-EC6DR6020359030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3813.7 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

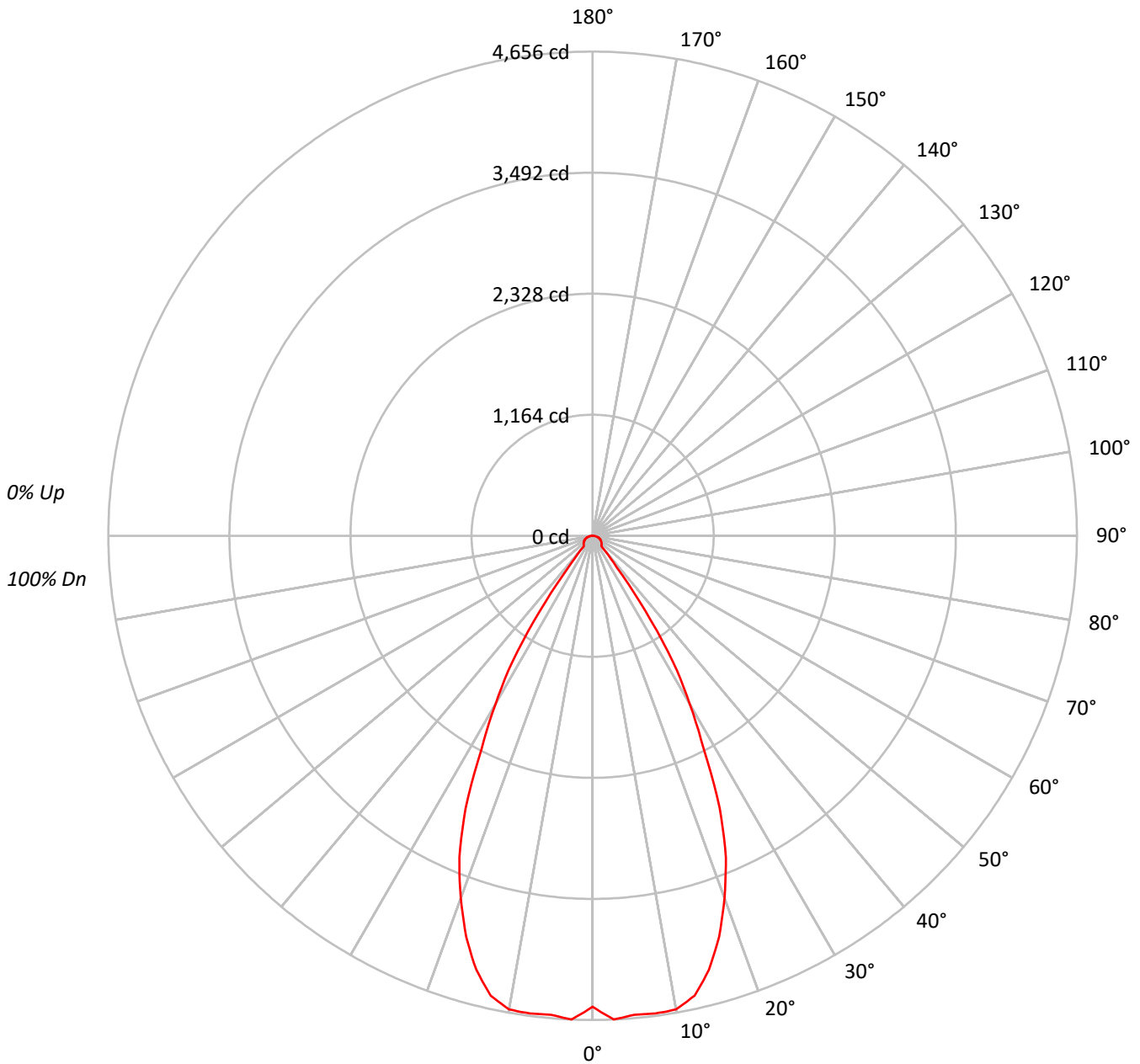


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	494853
5°	507020
10°	513149
15°	488849
20°	431012
25°	348612
30°	235812
35°	118164
40°	19169
45°	18758
50°	19140
55°	19430
60°	19973
65°	20424
70°	20892
75°	21150
80°	20386
85°	17049

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 21150 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.8	11.6
10°-20°	1195.4	31.3
20°-30°	1286.1	33.7
30°-40°	559.1	14.7
40°-50°	93.9	2.5
50°-60°	91.3	2.4
60°-70°	78.1	2.0
70°-80°	52.3	1.4
80°-90°	15.6	0.4
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°	2923.4	76.7
0°-40°	3482.4	91.3
0°-60°	3667.7	96.2
0°-90°	3813.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3813.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4529	
5°	4623	442
15°	4322	1195
25°	2892	1286
35°	886	559
45°	121	94
55°	102	91
65°	79	78
75°	50	52
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4529.1
2.5°	4656.4
5°	4622.8
7.5°	4633.5
10°	4625.2
12.5°	4529.7
15°	4321.7
17.5°	4042.3
20°	3706.9
22.5°	3347.9
25°	2891.7
27.5°	2312.9
30°	1869.1
32.5°	1440.6
35°	885.9
37.5°	379.0
40°	134.4
42.5°	123.8
45°	121.4
47.5°	117.3
50°	112.6
52.5°	107.3
55°	102.0
57.5°	96.7
60°	91.4
62.5°	85.5
65°	79.0
67.5°	72.5
70°	65.4
72.5°	57.8
75°	50.1
77.5°	41.3
80°	32.4
82.5°	23.0
85°	13.6
87.5°	4.7
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)