

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: P792207

Luminaire Tested: LER6D35BD010-EC6DR7020359030-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P792207
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-EC6DR7020359030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2233.4 lumens
Efficiency: N/A
Efficacy: 72.5 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

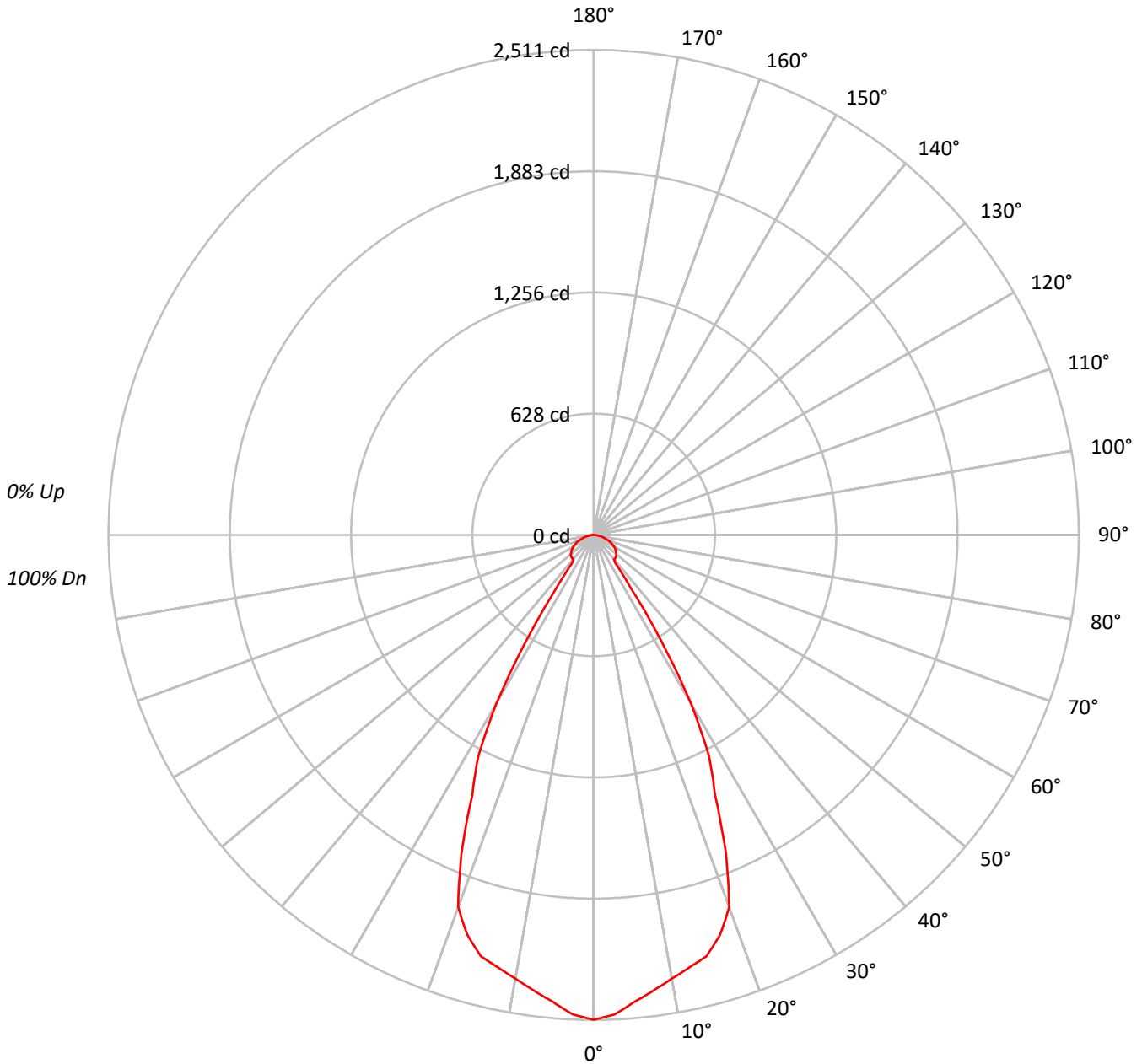


Downlight

TEST NUMBER: P792207

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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	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°	274354
5°	266200
10°	258782
15°	255380
20°	238476
25°	179158
30°	126643
35°	44857
40°	23591
45°	25125
50°	26024
55°	26497
60°	26660
65°	26112
70°	24630
75°	22838
80°	20260
85°	16423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 26680 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.9	10.3
10°-20°	627.9	28.1
20°-30°	691.6	31.0
30°-40°	264.2	11.8
40°-50°	124.8	5.6
50°-60°	124.0	5.6
60°-70°	99.3	4.4
70°-80°	57.1	2.6
80°-90°	15.5	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°	1548.5	69.3
0°-40°	1812.7	81.2
0°-60°	2061.5	92.3
0°-90°	2233.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2233.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2511	
5°	2427	229
15°	2258	628
25°	1486	692
35°	336	264
45°	163	125
55°	139	124
65°	101	99
75°	54	57
85°	13	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2511.0
2.5°	2484.7
5°	2427.1
7.5°	2379.0
10°	2332.5
12.5°	2293.1
15°	2257.7
17.5°	2172.3
20°	2051.0
22.5°	1789.4
25°	1486.1
27.5°	1293.7
30°	1003.8
32.5°	648.4
35°	336.3
37.5°	181.7
40°	165.4
42.5°	164.2
45°	162.6
47.5°	159.0
50°	153.1
52.5°	146.3
55°	139.1
57.5°	131.2
60°	122.0
62.5°	111.7
65°	101.0
67.5°	89.1
70°	77.1
72.5°	65.2
75°	54.1
77.5°	42.5
80°	32.2
82.5°	22.7
85°	13.1
87.5°	5.2
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)