

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: P773276

Luminaire Tested: LD6D85BD010-EU6DR7070959035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773276
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: LD6D85BD010-EU6DR7070959035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10495.7 lumens
Efficiency: N/A
Efficacy: 119.7 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

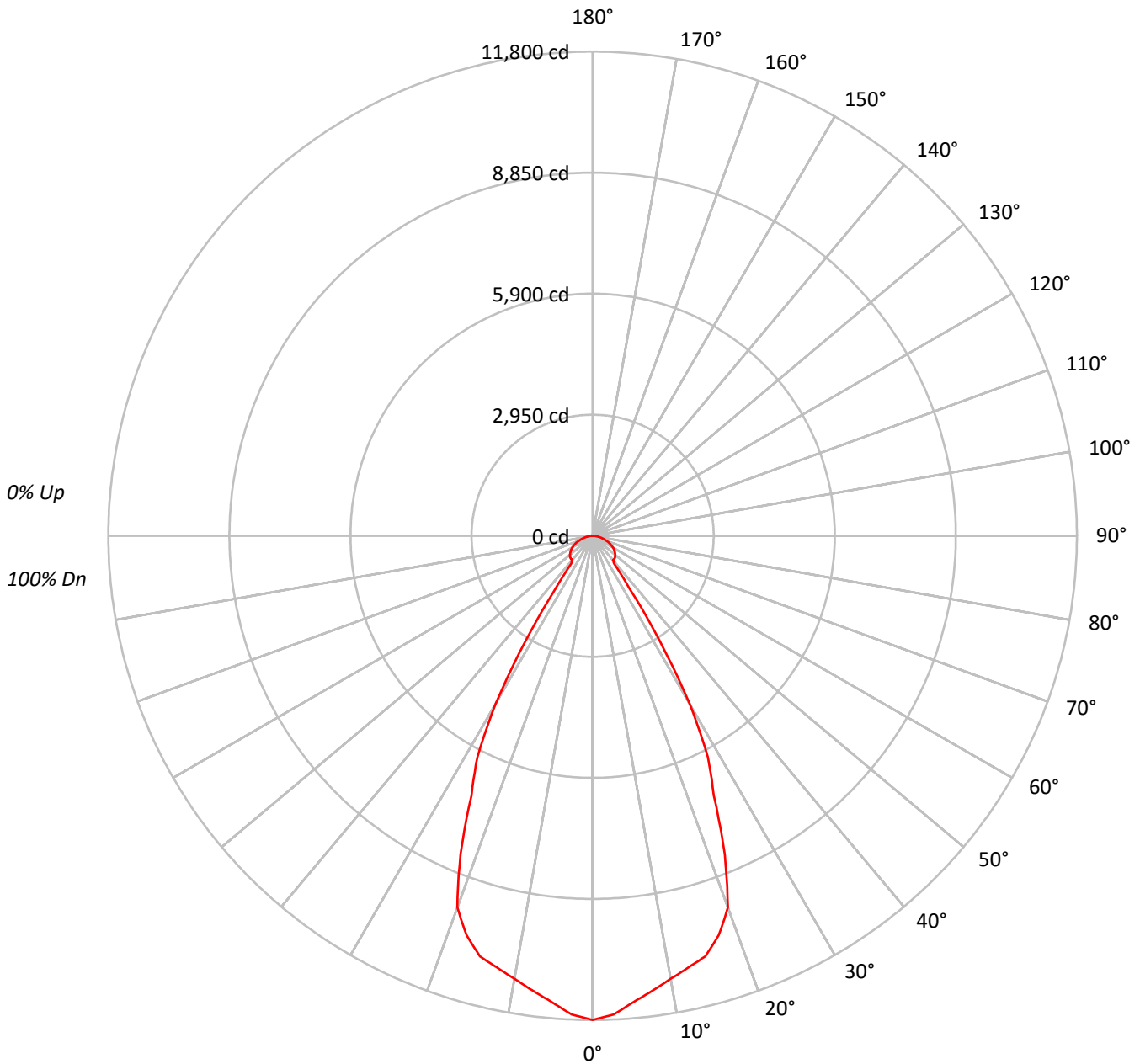
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1289299
5°	1250989
10°	1216115
15°	1200162
20°	1120708
25°	841926
30°	595176
35°	210825
40°	110852
45°	118067
50°	122266
55°	124562
60°	125344
65°	122674
70°	115771
75°	107269
80°	95199
85°	77349

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 125366 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1075.8	10.3
10°-20°	2951.0	28.1
20°-30°	3250.1	31.0
30°-40°	1241.8	11.8
40°-50°	586.3	5.6
50°-60°	582.9	5.6
60°-70°	466.7	4.4
70°-80°	268.2	2.6
80°-90°	72.9	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°	7276.8	69.3
0°-40°	8518.6	81.2
0°-60°	9687.8	92.3
0°-90°	10495.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10495.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11800	
5°	11406	###
15°	10610	2951
25°	6984	3250
35°	1581	1242
45°	764	586
55°	654	583
65°	474	467
75°	254	268
85°	62	73
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11800.2
2.5°	11676.9
5°	11406.0
7.5°	11179.9
10°	10961.3
12.5°	10776.3
15°	10610.1
17.5°	10208.4
20°	9638.6
22.5°	8409.2
25°	6983.7
27.5°	6079.4
30°	4717.5
32.5°	3047.2
35°	1580.6
37.5°	853.8
40°	777.2
42.5°	771.6
45°	764.1
47.5°	747.3
50°	719.3
52.5°	687.5
55°	653.9
57.5°	616.5
60°	573.6
62.5°	525.0
65°	474.5
67.5°	418.5
70°	362.4
72.5°	306.4
75°	254.1
77.5°	199.9
80°	151.3
82.5°	106.5
85°	61.7
87.5°	24.3
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)