

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: P773264

Luminaire Tested: LD6D85BD010-EU6DR7070959030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773264
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-EU6DR7070959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10905.6 lumens
Efficiency: N/A
Efficacy: 124.4 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): 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

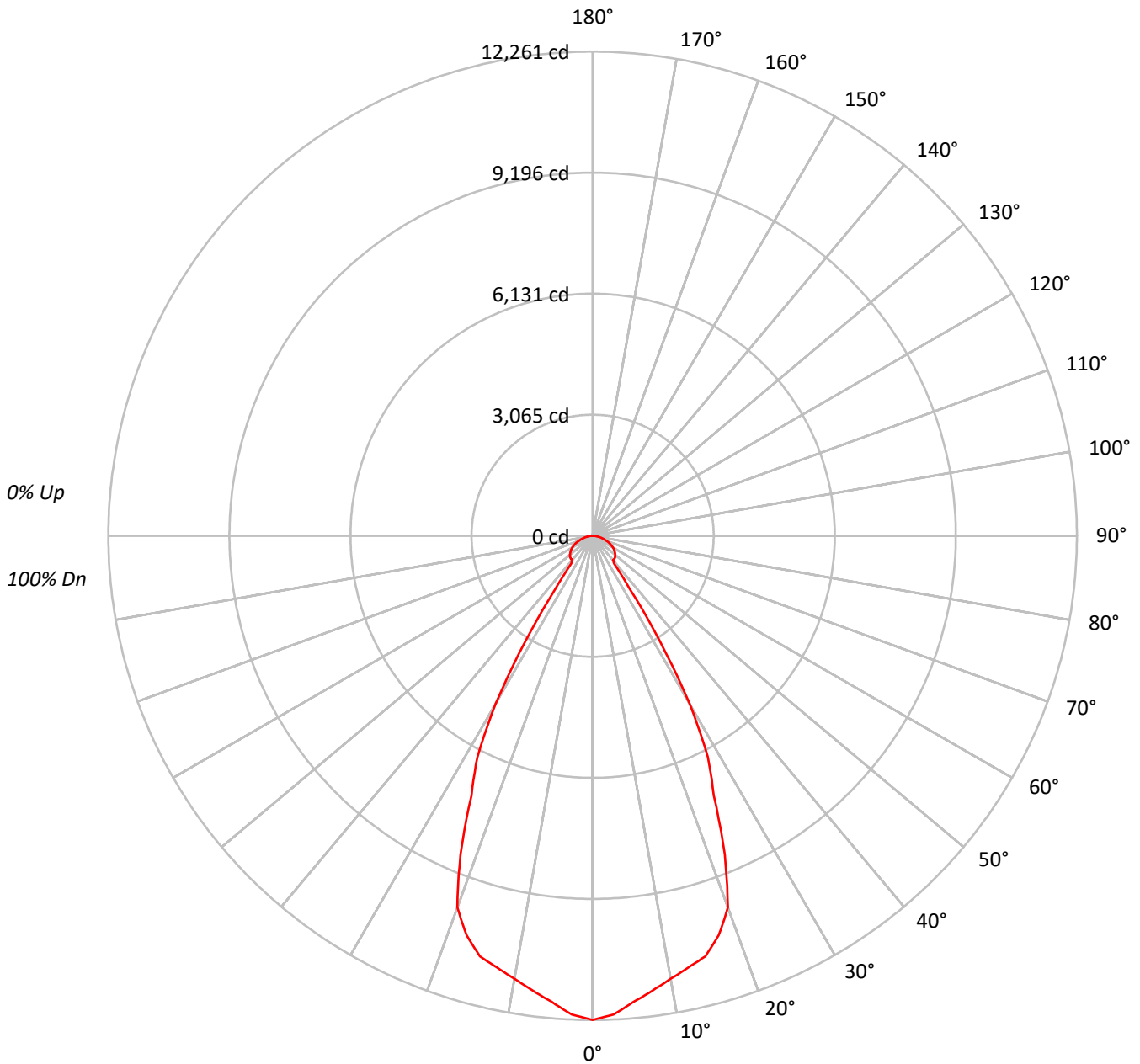


Downlight

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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	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°	1339646
5°	1299839
10°	1263612
15°	1247026
20°	1164473
25°	874814
30°	618415
35°	219054
40°	115188
45°	122687
50°	127043
55°	129419
60°	130239
65°	127483
70°	120308
75°	111448
80°	98911
85°	80357

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 130267 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1117.8	10.3
10°-20°	3066.2	28.1
20°-30°	3377.0	31.0
30°-40°	1290.3	11.8
40°-50°	609.2	5.6
50°-60°	605.7	5.6
60°-70°	484.9	4.4
70°-80°	278.7	2.6
80°-90°	75.8	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°	7561.0	69.3
0°-40°	8851.3	81.2
0°-60°	10066.2	92.3
0°-90°	10905.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10905.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12261	
5°	11851	###
15°	11024	3066
25°	7256	3377
35°	1642	1290
45°	794	609
55°	679	606
65°	493	485
75°	264	279
85°	64	76
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12261.0
2.5°	12132.9
5°	11851.4
7.5°	11616.5
10°	11389.4
12.5°	11197.2
15°	11024.4
17.5°	10607.1
20°	10015.0
22.5°	8737.6
25°	7256.5
27.5°	6316.9
30°	4901.7
32.5°	3166.2
35°	1642.3
37.5°	887.2
40°	807.6
42.5°	801.7
45°	794.0
47.5°	776.5
50°	747.4
52.5°	714.4
55°	679.4
57.5°	640.6
60°	596.0
62.5°	545.5
65°	493.1
67.5°	434.8
70°	376.6
72.5°	318.4
75°	264.0
77.5°	207.7
80°	157.2
82.5°	110.7
85°	64.1
87.5°	25.2
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)