

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: P773277

Luminaire Tested: LD6D85BD010-EU6DR7070959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773277
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-EU6DR7070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 11020.5 lumens
Efficiency: N/A
Efficacy: 125.7 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

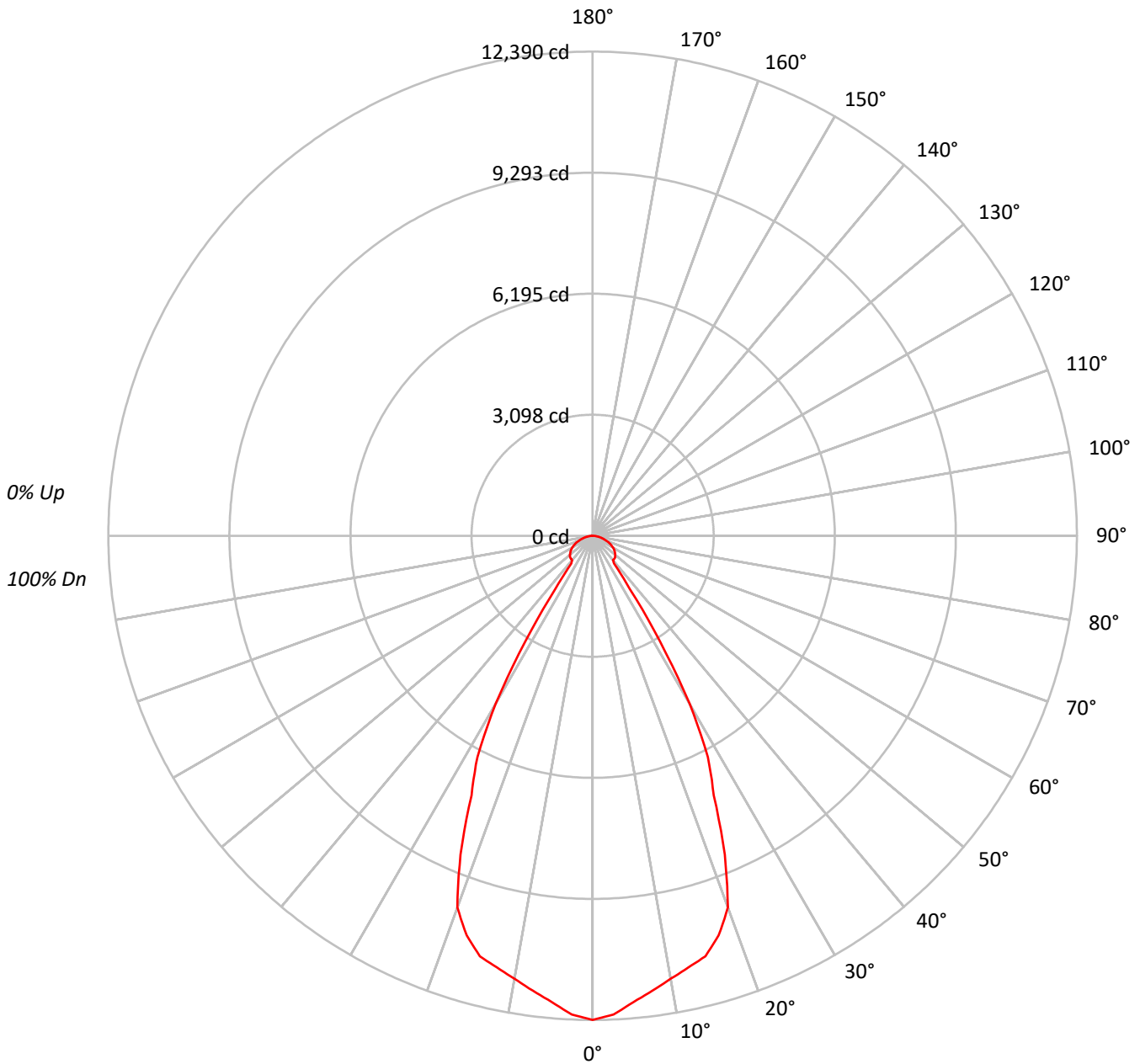


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	1353763
5°	1313538
10°	1276925
15°	1260170
20°	1176740
25°	884024
30°	624925
35°	221362
40°	116400
45°	123970
50°	128386
55°	130791
60°	131594
65°	128827
70°	121585
75°	112630
80°	99981
85°	81110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 131650 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1129.6	10.3
10°-20°	3098.5	28.1
20°-30°	3412.6	31.0
30°-40°	1303.9	11.8
40°-50°	615.6	5.6
50°-60°	612.1	5.6
60°-70°	490.0	4.4
70°-80°	281.6	2.6
80°-90°	76.6	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°	7640.7	69.3
0°-40°	8944.5	81.2
0°-60°	10172.2	92.3
0°-90°	11020.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11020.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12390	
5°	11976	###
15°	11141	3099
25°	7333	3413
35°	1660	1304
45°	802	616
55°	687	612
65°	498	490
75°	267	282
85°	65	77
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12390.2
2.5°	12260.7
5°	11976.3
7.5°	11738.9
10°	11509.4
12.5°	11315.2
15°	11140.6
17.5°	10718.8
20°	10120.5
22.5°	8829.7
25°	7332.9
27.5°	6383.4
30°	4953.3
32.5°	3199.6
35°	1659.6
37.5°	896.5
40°	816.1
42.5°	810.2
45°	802.3
47.5°	784.7
50°	755.3
52.5°	721.9
55°	686.6
57.5°	647.4
60°	602.2
62.5°	551.2
65°	498.3
67.5°	439.4
70°	380.6
72.5°	321.7
75°	266.8
77.5°	209.9
80°	158.9
82.5°	111.8
85°	64.7
87.5°	25.5
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)