

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: P772484

Luminaire Tested: LD6D80BD010-EU6DR7070959030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772484
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: LD6D80BD010-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: 10244.1 lumens
Efficiency: N/A
Efficacy: 129.8 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): 78.9
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

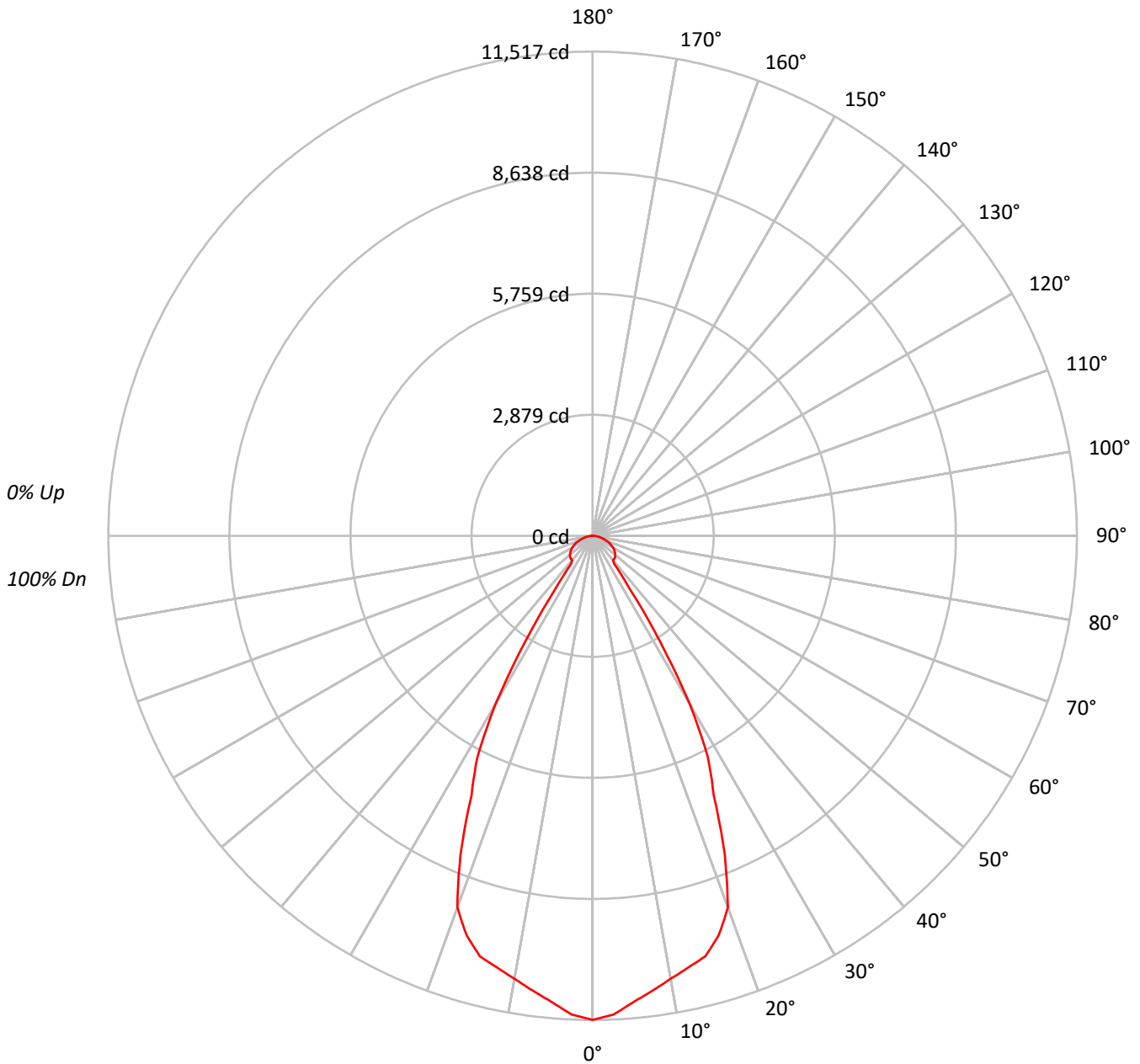


Downlight

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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°	1258389
5°	1221003
10°	1186970
15°	1171397
20°	1093837
25°	821745
30°	580907
35°	205770
40°	108199
45°	115240
50°	119343
55°	121571
60°	122328
65°	119752
70°	113024
75°	104693
80°	92934
85°	75468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 122377 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.0	10.3
10°-20°	2880.2	28.1
20°-30°	3172.2	31.0
30°-40°	1212.0	11.8
40°-50°	572.3	5.6
50°-60°	569.0	5.6
60°-70°	455.5	4.4
70°-80°	261.8	2.6
80°-90°	71.2	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°	7102.4	69.3
0°-40°	8314.4	81.2
0°-60°	9455.6	92.3
0°-90°	10244.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10244.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11517	
5°	11133	###
15°	10356	2880
25°	6816	3172
35°	1543	1212
45°	746	572
55°	638	569
65°	463	456
75°	248	262
85°	60	71
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11517.3
2.5°	11397.0
5°	11132.6
7.5°	10911.9
10°	10698.6
12.5°	10518.0
15°	10355.8
17.5°	9963.7
20°	9407.5
22.5°	8207.6
25°	6816.3
27.5°	5933.7
30°	4604.4
32.5°	2974.2
35°	1542.7
37.5°	833.3
40°	758.6
42.5°	753.1
45°	745.8
47.5°	729.4
50°	702.1
52.5°	671.1
55°	638.2
57.5°	601.8
60°	559.8
62.5°	512.4
65°	463.2
67.5°	408.5
70°	353.8
72.5°	299.1
75°	248.0
77.5°	195.1
80°	147.7
82.5°	103.9
85°	60.2
87.5°	23.7
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)