

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: P773303

Luminaire Tested: LD6D85BD010-EU6DR7070959050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773303
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-EU6DR7070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11618.1 lumens
Efficiency: N/A
Efficacy: 132.5 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): 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

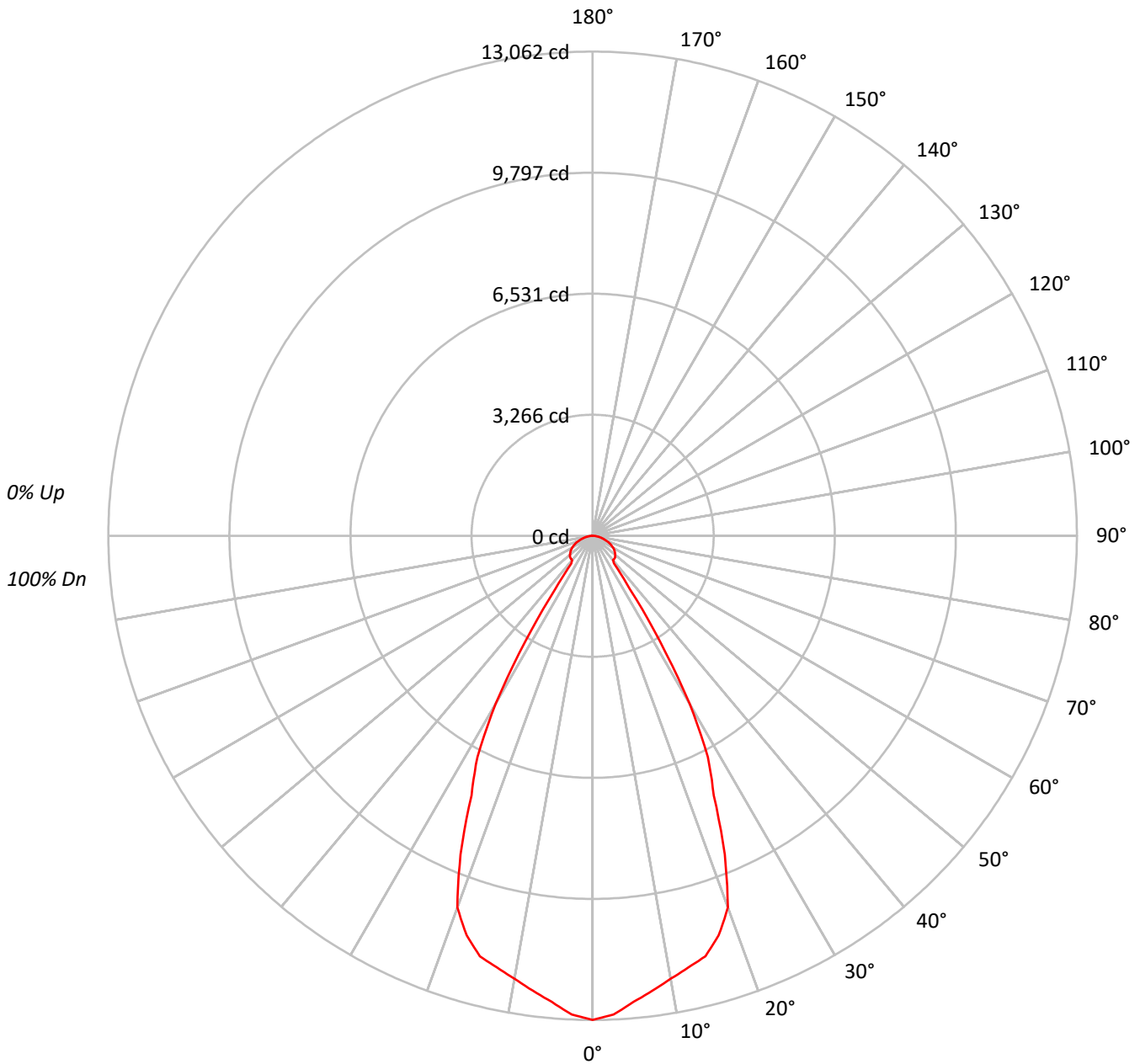


Downlight

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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	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°	1427175
5°	1384763
10°	1346167
15°	1328502
20°	1240550
25°	931957
30°	658813
35°	233366
40°	122704
45°	130707
50°	135338
55°	137877
60°	138739
65°	135807
70°	128166
75°	118751
80°	105392
85°	85497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 138787 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1190.9	10.3
10°-20°	3266.5	28.1
20°-30°	3597.6	31.0
30°-40°	1374.6	11.8
40°-50°	649.0	5.6
50°-60°	645.3	5.6
60°-70°	516.6	4.4
70°-80°	296.9	2.6
80°-90°	80.7	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°	8055.0	69.3
0°-40°	9429.6	81.2
0°-60°	10723.8	92.3
0°-90°	11618.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11618.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13062	
5°	12626	###
15°	11745	3267
25°	7730	3598
35°	1750	1375
45°	846	649
55°	724	645
65°	525	517
75°	281	297
85°	68	81
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13062.1
2.5°	12925.6
5°	12625.7
7.5°	12375.5
10°	12133.5
12.5°	11928.8
15°	11744.7
17.5°	11300.1
20°	10669.3
22.5°	9308.5
25°	7730.5
27.5°	6729.6
30°	5221.9
32.5°	3373.1
35°	1749.6
37.5°	945.1
40°	860.3
42.5°	854.1
45°	845.9
47.5°	827.2
50°	796.2
52.5°	761.1
55°	723.8
57.5°	682.5
60°	634.9
62.5°	581.1
65°	525.3
67.5°	463.3
70°	401.2
72.5°	339.2
75°	281.3
77.5°	221.3
80°	167.5
82.5°	117.9
85°	68.2
87.5°	26.9
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)