

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: P774044

Luminaire Tested: LD6D90BD010-EU6DR7070959030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774044
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: LD6D90BD010-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: 11569.3 lumens
Efficiency: N/A
Efficacy: 117.0 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): 98.9
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

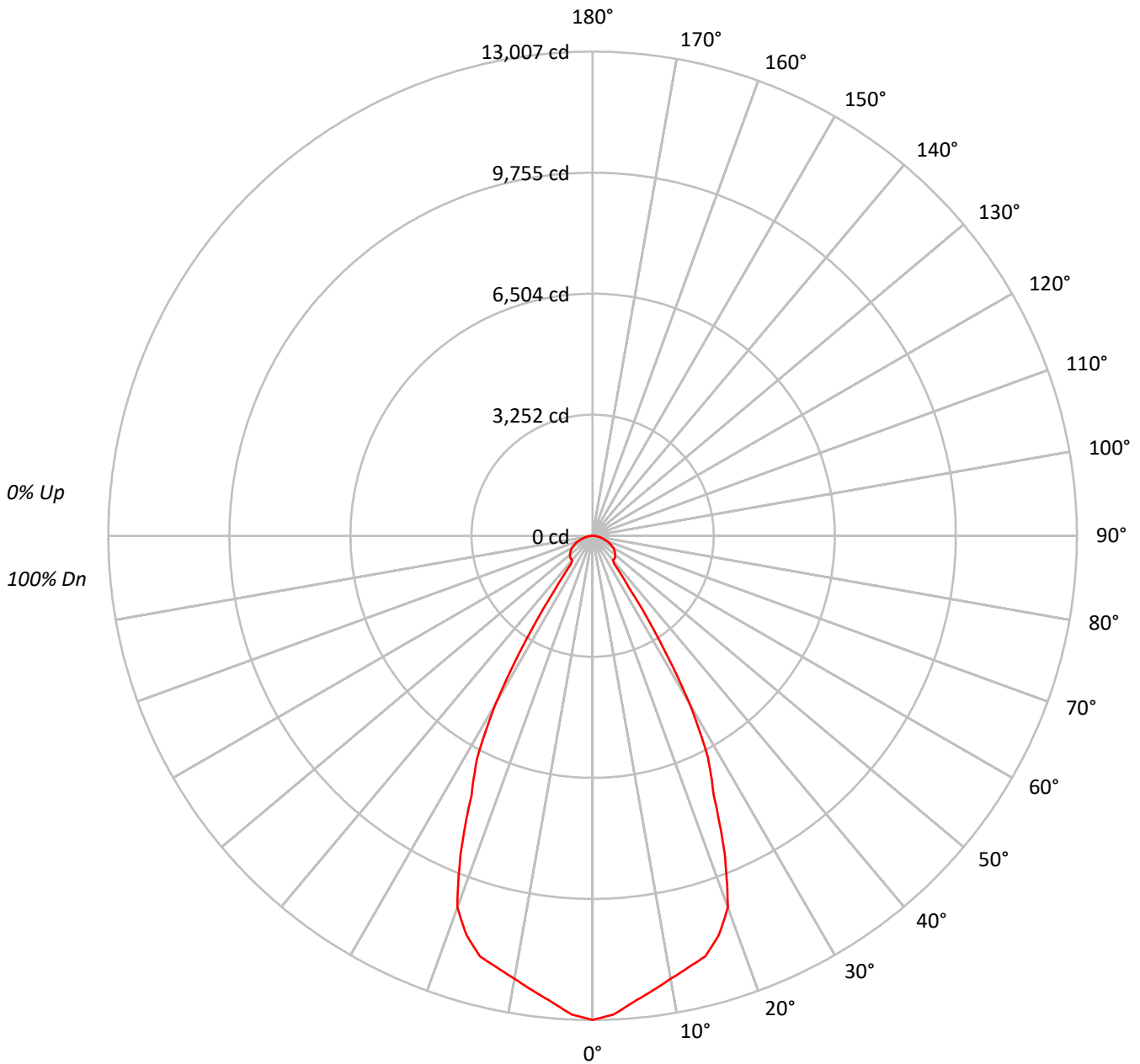


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	1421187
5°	1378950
10°	1340519
15°	1322926
20°	1235341
25°	928051
30°	656050
35°	232393
40°	122191
45°	130151
50°	134777
55°	137305
60°	138149
65°	135239
70°	127623
75°	118245
80°	104952
85°	85247

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 138198 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1185.9	10.3
10°-20°	3252.8	28.1
20°-30°	3582.5	31.0
30°-40°	1368.8	11.8
40°-50°	646.3	5.6
50°-60°	642.5	5.6
60°-70°	514.4	4.4
70°-80°	295.7	2.6
80°-90°	80.4	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°	8021.2	69.3
0°-40°	9390.0	81.2
0°-60°	10678.8	92.3
0°-90°	11569.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11569.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13007	
5°	12573	###
15°	11695	3253
25°	7698	3583
35°	1742	1369
45°	842	646
55°	721	643
65°	523	514
75°	280	296
85°	68	80
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13007.3
2.5°	12871.3
5°	12572.7
7.5°	12323.5
10°	12082.6
12.5°	11878.7
15°	11695.4
17.5°	11252.6
20°	10624.5
22.5°	9269.4
25°	7698.1
27.5°	6701.3
30°	5200.0
32.5°	3358.9
35°	1742.3
37.5°	941.2
40°	856.7
42.5°	850.5
45°	842.3
47.5°	823.8
50°	792.9
52.5°	757.9
55°	720.8
57.5°	679.6
60°	632.2
62.5°	578.7
65°	523.1
67.5°	461.3
70°	399.5
72.5°	337.7
75°	280.1
77.5°	220.4
80°	166.8
82.5°	117.4
85°	68.0
87.5°	26.8
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)