

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: P774031

Luminaire Tested: LD6D90BD010-EU6DR7070959027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774031
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-EU6DR7070959027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11230.0 lumens
Efficiency: N/A
Efficacy: 113.5 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): 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

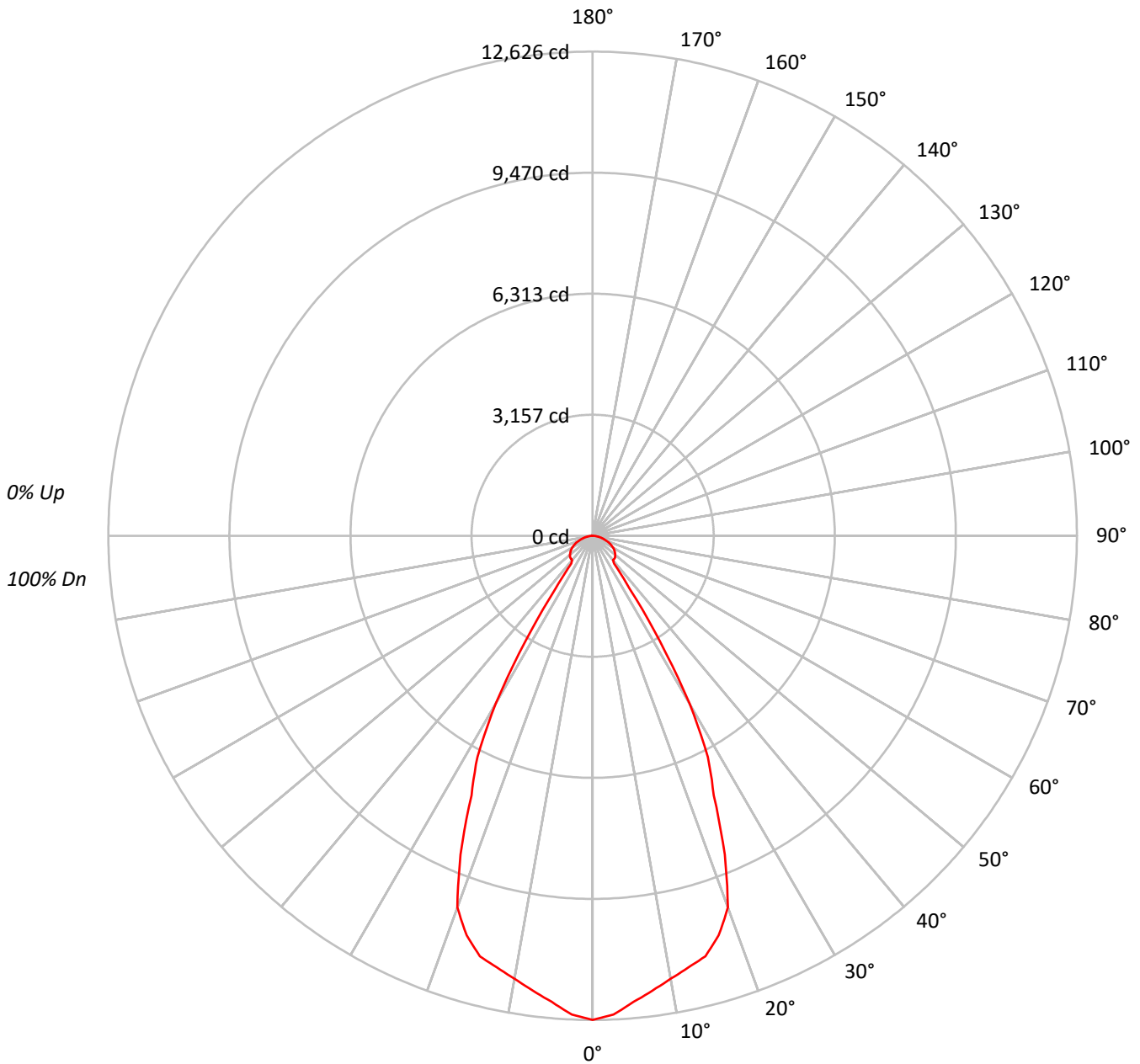


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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°	1379494
5°	1338501
10°	1301200
15°	1284127
20°	1199110
25°	900830
30°	636810
35°	225577
40°	118611
45°	126334
50°	130816
55°	133286
60°	134107
65°	131257
70°	123885
75°	114783
80°	101869
85°	82739

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 134151 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1151.1	10.3
10°-20°	3157.4	28.1
20°-30°	3477.4	31.0
30°-40°	1328.6	11.8
40°-50°	627.3	5.6
50°-60°	623.7	5.6
60°-70°	499.3	4.4
70°-80°	287.0	2.6
80°-90°	78.0	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°	7785.9	69.3
0°-40°	9114.6	81.2
0°-60°	10365.6	92.3
0°-90°	11230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11230.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12626	
5°	12204	###
15°	11352	3157
25°	7472	3477
35°	1691	1329
45°	818	627
55°	700	624
65°	508	499
75°	272	287
85°	66	78
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12625.7
2.5°	12493.8
5°	12203.9
7.5°	11962.1
10°	11728.2
12.5°	11530.3
15°	11352.4
17.5°	10922.6
20°	10312.9
22.5°	8997.5
25°	7472.3
27.5°	6504.8
30°	5047.5
32.5°	3260.4
35°	1691.2
37.5°	913.5
40°	831.6
42.5°	825.6
45°	817.6
47.5°	799.6
50°	769.6
52.5°	735.6
55°	699.7
57.5°	659.7
60°	613.7
62.5°	561.7
65°	507.7
67.5°	447.8
70°	387.8
72.5°	327.8
75°	271.9
77.5°	213.9
80°	161.9
82.5°	113.9
85°	66.0
87.5°	26.0
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)