

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: P774069

Luminaire Tested: LD6D90BD010-EU6DR7070959040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774069
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-EU6DR7070959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11655.0 lumens
Efficiency: N/A
Efficacy: 117.8 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

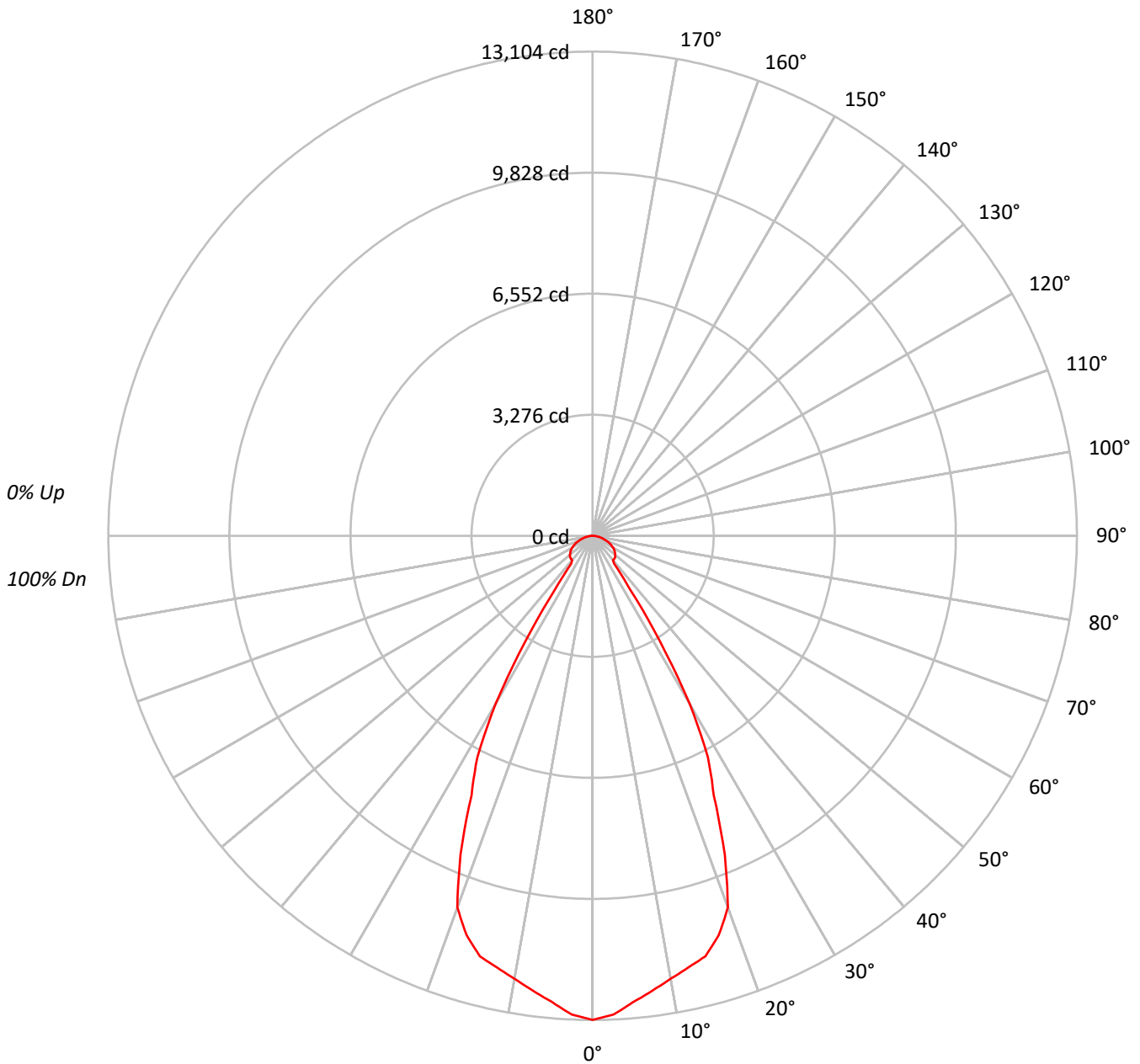
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1431709
5°	1389172
10°	1350449
15°	1332733
20°	1244492
25°	934923
30°	660907
35°	234113
40°	123104
45°	131109
50°	135763
55°	138315
60°	139176
65°	136247
70°	128581
75°	119131
80°	105707
85°	85873

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 139215 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1194.7	10.3
10°-20°	3276.9	28.1
20°-30°	3609.1	31.0
30°-40°	1378.9	11.8
40°-50°	651.1	5.6
50°-60°	647.3	5.6
60°-70°	518.3	4.4
70°-80°	297.9	2.6
80°-90°	81.0	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°	8080.6	69.3
0°-40°	9459.6	81.2
0°-60°	10757.9	92.3
0°-90°	11655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11655.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13104	
5°	12666	###
15°	11782	3277
25°	7755	3609
35°	1755	1379
45°	848	651
55°	726	647
65°	527	518
75°	282	298
85°	68	81
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13103.6
2.5°	12966.7
5°	12665.9
7.5°	12414.8
10°	12172.1
12.5°	11966.7
15°	11782.1
17.5°	11336.0
20°	10703.2
22.5°	9338.1
25°	7755.1
27.5°	6751.0
30°	5238.5
32.5°	3383.8
35°	1755.2
37.5°	948.1
40°	863.1
42.5°	856.8
45°	848.5
47.5°	829.9
50°	798.7
52.5°	763.5
55°	726.1
57.5°	684.6
60°	636.9
62.5°	583.0
65°	527.0
67.5°	464.7
70°	402.5
72.5°	340.2
75°	282.2
77.5°	222.0
80°	168.0
82.5°	118.3
85°	68.5
87.5°	27.0
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)