

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: P773966

Luminaire Tested: LD6D90BD010-EU6DR6570959030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773966
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6570959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10043.0 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

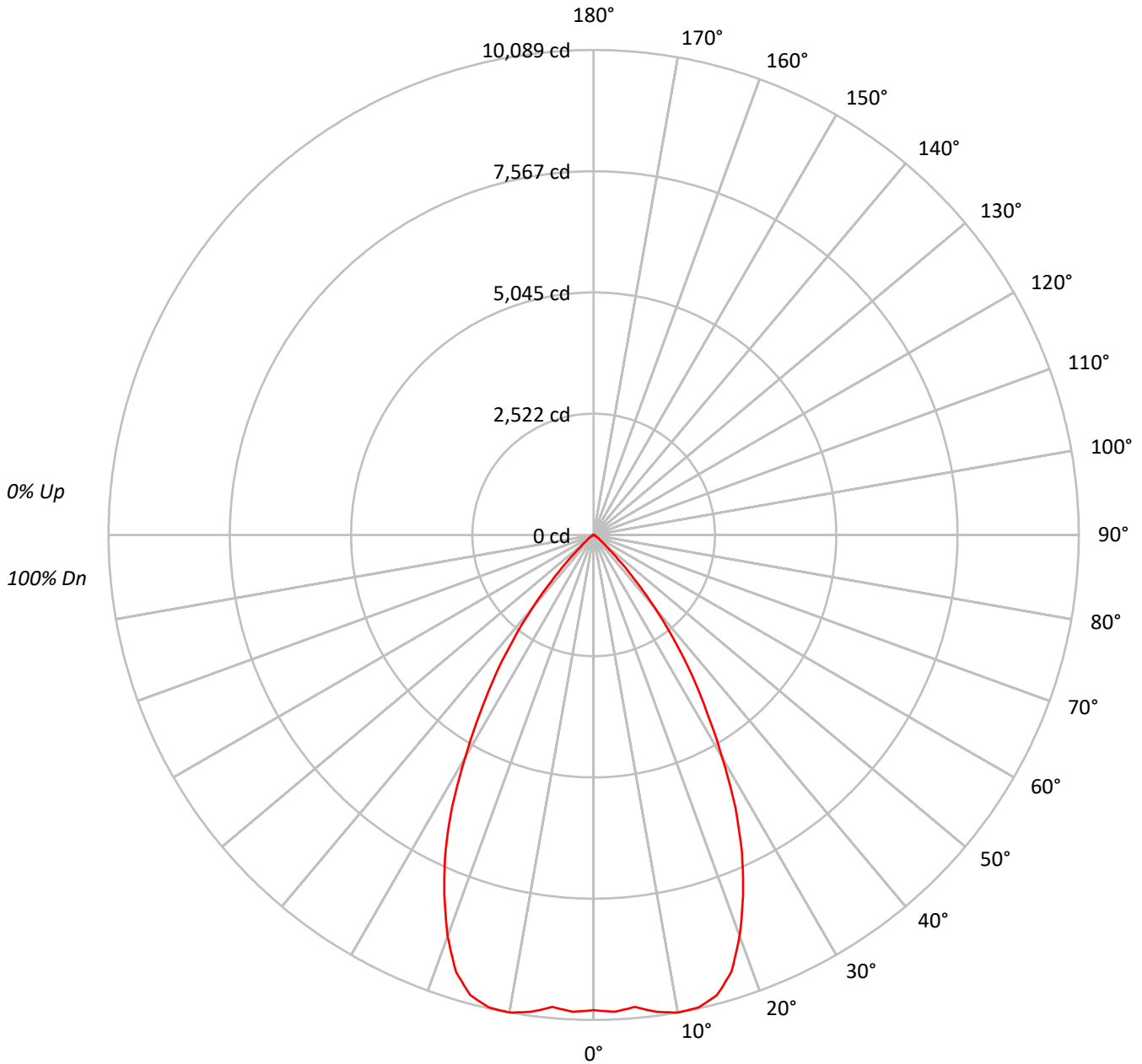
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	1080381
5°	1081273
10°	1119348
15°	1121196
20°	1032247
25°	879528
30°	673309
35°	475683
40°	280781
45°	113988
50°	41322
55°	23011
60°	13199
65°	7265
70°	7635
75°	5952
80°	6166
85°	5265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 113988 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	952.1	9.5
10°-20°	2746.5	27.3
20°-30°	3295.3	32.8
30°-40°	2214.5	22.1
40°-50°	662.9	6.6
50°-60°	117.0	1.2
60°-70°	33.3	0.3
70°-80°	16.3	0.2
80°-90°	5.1	0.1
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°	6993.9	69.6
0°-40°	9208.4	91.7
0°-60°	9988.3	99.5
0°-90°	10043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10043.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9888	
5°	9859	952
15°	9912	2746
25°	7296	3295
35°	3566	2215
45°	738	663
55°	121	117
65°	28	33
75°	14	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9888.1
2.5°	9930.3
5°	9858.6
7.5°	10007.6
10°	10089.1
12.5°	10069.4
15°	9912.0
17.5°	9527.0
20°	8877.8
22.5°	8113.4
25°	7295.6
27.5°	6372.4
30°	5336.8
32.5°	4398.2
35°	3566.3
37.5°	2744.3
40°	1968.6
42.5°	1285.7
45°	737.7
47.5°	390.6
50°	243.1
52.5°	168.6
55°	120.8
57.5°	87.1
60°	60.4
62.5°	39.3
65°	28.1
67.5°	25.3
70°	23.9
72.5°	18.3
75°	14.1
77.5°	12.6
80°	9.8
82.5°	7.0
85°	4.2
87.5°	2.8
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)