

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P773450

Luminaire Tested: LD6D90BD010-EU6DR3070959040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR3070959040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12462.3 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

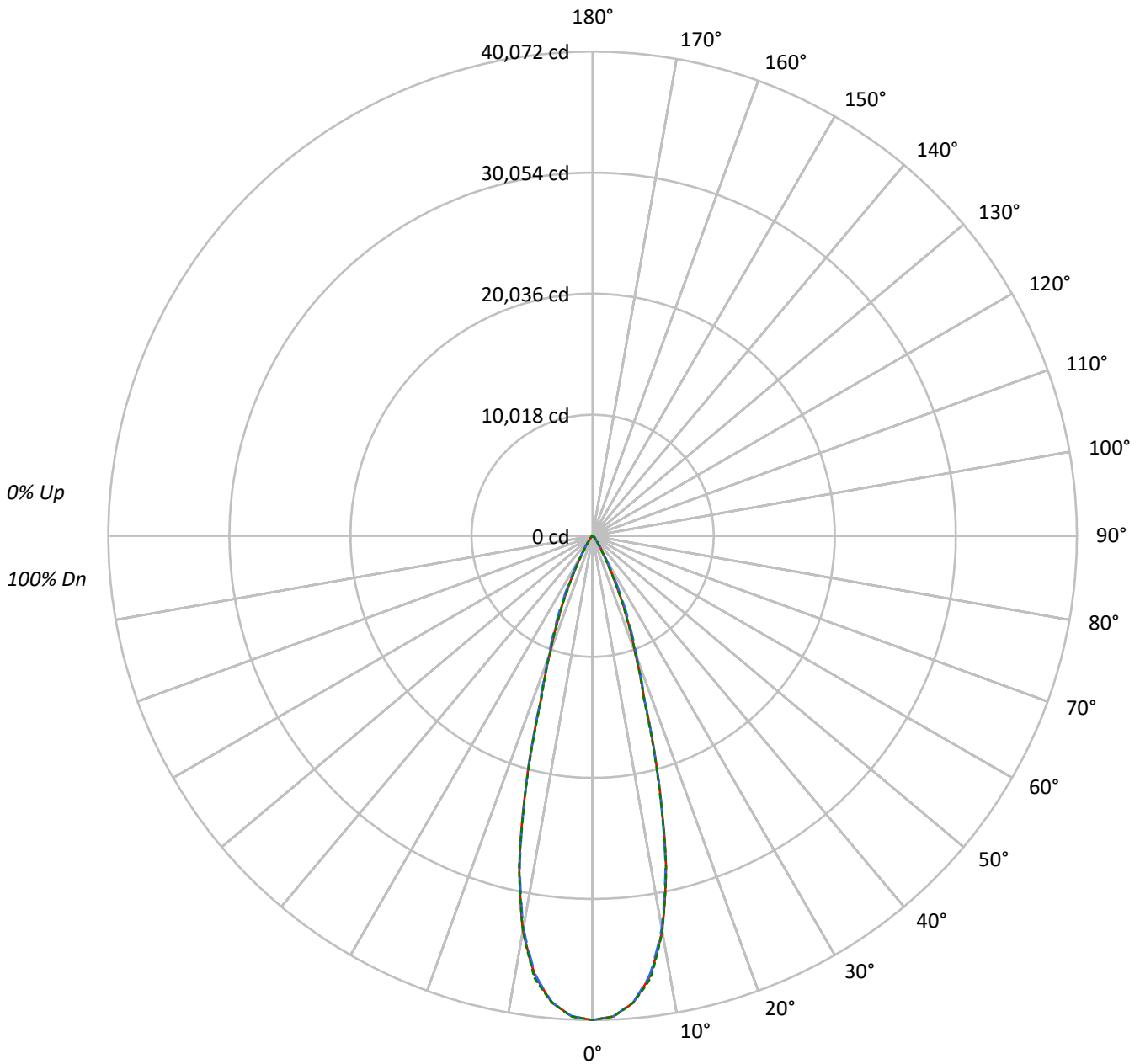
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3067262	3067262	3067262
5°	2979215	2975734	2979361
10°	2580451	2562256	2579837
15°	1683616	1674575	1666151
20°	837186	868596	836062
25°	421716	475548	413076
30°	168850	183973	147107
35°	78314	75006	62877
40°	33813	37550	31845
45°	23858	29606	24064
50°	8205	21554	8669
55°	4724	8928	4991
60°	3307	3919	3307
65°	2137	2137	2137
70°	1320	873	1320
75°	0	591	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 29606 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3523.7	28.3
10°-20°	5675.0	45.5
20°-30°	2452.3	19.7
30°-40°	558.9	4.5
40°-50°	191.9	1.5
50°-60°	46.9	0.4
60°-70°	12.1	0.1
70°-80°	1.3	0.0
80°-90°	0.0	0.0
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°	11651.1	93.5
0°-40°	12210.0	98.0
0°-60°	12448.8	99.9
0°-90°	12462.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12462.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	40072	40072	40072	40072	40072	
5°	38774	38736	38728	38809	38776	3527
15°	21246	20990	21132	21063	21026	5689
25°	4993	5182	5631	5050	4891	2390
35°	838	856	803	797	673	568
45°	220	274	274	274	222	156
55°	35	37	67	39	37	34
65°	12	12	12	12	12	12
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	40072.2	40072.2	40072.2	40072.2	40072.2
2.5°	39806.6	39779.1	39794.8	39814.5	39822.4
5°	38773.8	38736.4	38728.5	38809.2	38775.7
7.5°	36690.3	36637.1	36556.5	36739.4	36910.6
10°	33200.1	33141.1	32966.0	33052.5	33192.2
12.5°	28047.4	27856.6	27852.6	28128.1	28090.7
15°	21246.1	20990.3	21132.0	21063.1	21025.7
17.5°	14287.3	14189.0	14377.8	14320.8	14074.9
20°	10277.8	10303.3	10663.4	10482.4	10264.0
22.5°	7499.8	7592.2	8019.2	7552.9	7381.7
25°	4993.3	5182.2	5630.7	5050.3	4891.0
27.5°	3071.1	3157.7	3612.2	3031.8	2945.2
30°	1910.4	1867.1	2081.5	1786.4	1664.4
32.5°	1253.2	1198.2	1267.0	1137.2	1038.8
35°	838.1	855.8	802.7	796.8	672.9
37.5°	523.3	602.0	531.2	566.6	432.8
40°	338.4	436.8	375.8	415.1	318.7
42.5°	277.4	336.4	308.9	328.6	283.3
45°	220.4	273.5	273.5	273.5	222.3
47.5°	122.0	183.0	234.1	186.9	129.8
50°	68.9	92.5	181.0	96.4	72.8
52.5°	47.2	53.1	123.9	55.1	49.2
55°	35.4	37.4	66.9	39.3	37.4
57.5°	27.5	29.5	35.4	29.5	27.5
60°	21.6	21.6	25.6	23.6	21.6
62.5°	15.7	15.7	17.7	15.7	15.7
65°	11.8	11.8	11.8	11.8	11.8
67.5°	5.9	7.9	7.9	7.9	7.9
70°	5.9	3.9	3.9	3.9	5.9
72.5°	3.9	2.0	2.0	2.0	2.0
75°	0.0	0.0	2.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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