

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: P773432

Luminaire Tested: LD6D90BD010-EU6DR3070959035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773432
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-EU6DR3070959035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10771.8 lumens
Efficiency: N/A
Efficacy: 108.9 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

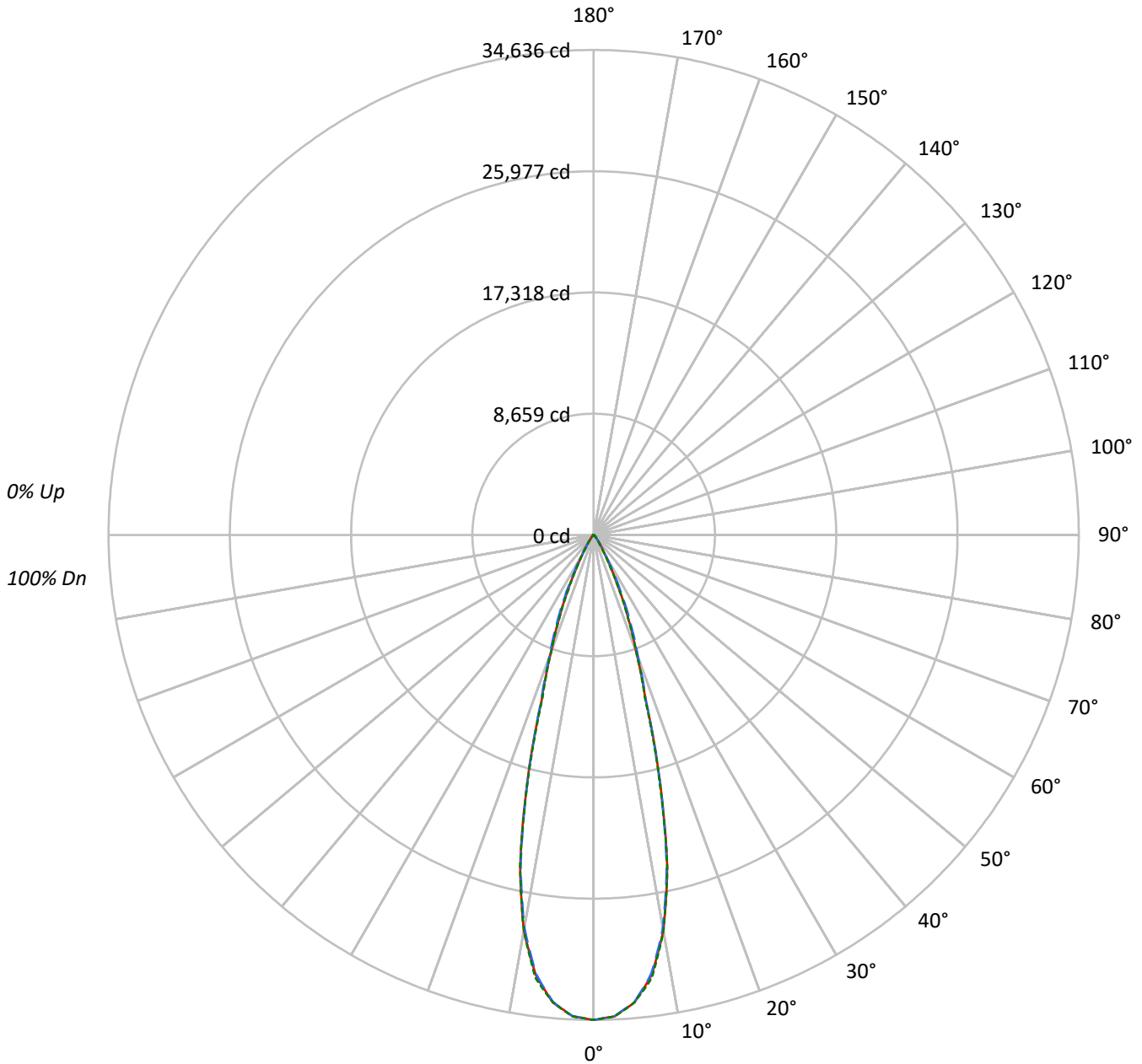
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	2651195	2651195	2651195
5°	2575090	2572078	2575220
10°	2230413	2214689	2229884
15°	1455237	1447423	1440141
20°	723621	750770	722651
25°	364513	411040	357039
30°	145941	159022	127159
35°	67690	64830	54346
40°	29227	32454	27528
45°	20621	25590	20805
50°	7085	18624	7490
55°	4084	7713	4310
60°	2863	3383	2863
65°	1847	1847	1847
70°	1141	761	1141
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 25590 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3045.8	28.3
10°-20°	4905.2	45.5
20°-30°	2119.7	19.7
30°-40°	483.1	4.5
40°-50°	165.9	1.5
50°-60°	40.5	0.4
60°-70°	10.5	0.1
70°-80°	1.1	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°	10070.7	93.5
0°-40°	10553.8	98.0
0°-60°	10760.2	99.9
0°-90°	10771.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10771.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34636	34636	34636	34636	34636	
5°	33514	33482	33475	33545	33516	3048
15°	18364	18143	18266	18206	18174	4917
25°	4316	4479	4867	4365	4228	2066
35°	724	740	694	689	582	491
45°	190	236	236	236	192	135
55°	31	32	58	34	32	30
65°	10	10	10	10	10	10
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°	34636.5	34636.5	34636.5	34636.5	34636.5
2.5°	34406.9	34383.1	34396.7	34413.7	34420.5
5°	33514.2	33481.8	33475.0	33544.8	33515.9
7.5°	31713.3	31667.4	31597.7	31755.8	31903.8
10°	28696.5	28645.5	28494.2	28569.0	28689.7
12.5°	24242.8	24077.9	24074.5	24312.6	24280.3
15°	18364.1	18143.0	18265.5	18205.9	18173.6
17.5°	12349.3	12264.3	12427.5	12378.2	12165.6
20°	8883.6	8905.7	9216.9	9060.5	8871.7
22.5°	6482.4	6562.4	6931.4	6528.4	6380.4
25°	4316.0	4479.2	4866.9	4365.3	4227.5
27.5°	2654.5	2729.4	3122.2	2620.5	2545.7
30°	1651.2	1613.8	1799.2	1544.1	1438.7
32.5°	1083.2	1035.6	1095.1	982.9	897.9
35°	724.4	739.7	693.8	688.7	581.6
37.5°	452.3	520.4	459.1	489.8	374.1
40°	292.5	377.5	324.8	358.8	275.5
42.5°	239.8	290.8	267.0	284.0	244.9
45°	190.5	236.4	236.4	236.4	192.2
47.5°	105.4	158.1	202.4	161.6	112.2
50°	59.5	79.9	156.4	83.3	62.9
52.5°	40.8	45.9	107.1	47.6	42.5
55°	30.6	32.3	57.8	34.0	32.3
57.5°	23.8	25.5	30.6	25.5	23.8
60°	18.7	18.7	22.1	20.4	18.7
62.5°	13.6	13.6	15.3	13.6	13.6
65°	10.2	10.2	10.2	10.2	10.2
67.5°	5.1	6.8	6.8	6.8	6.8
70°	5.1	3.4	3.4	3.4	5.1
72.5°	3.4	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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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