

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: P773462

Luminaire Tested: LD6D90BD010-EU6DR3070959050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773462
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-EU6DR3070959050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11953.6 lumens
Efficiency: N/A
Efficacy: 120.9 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

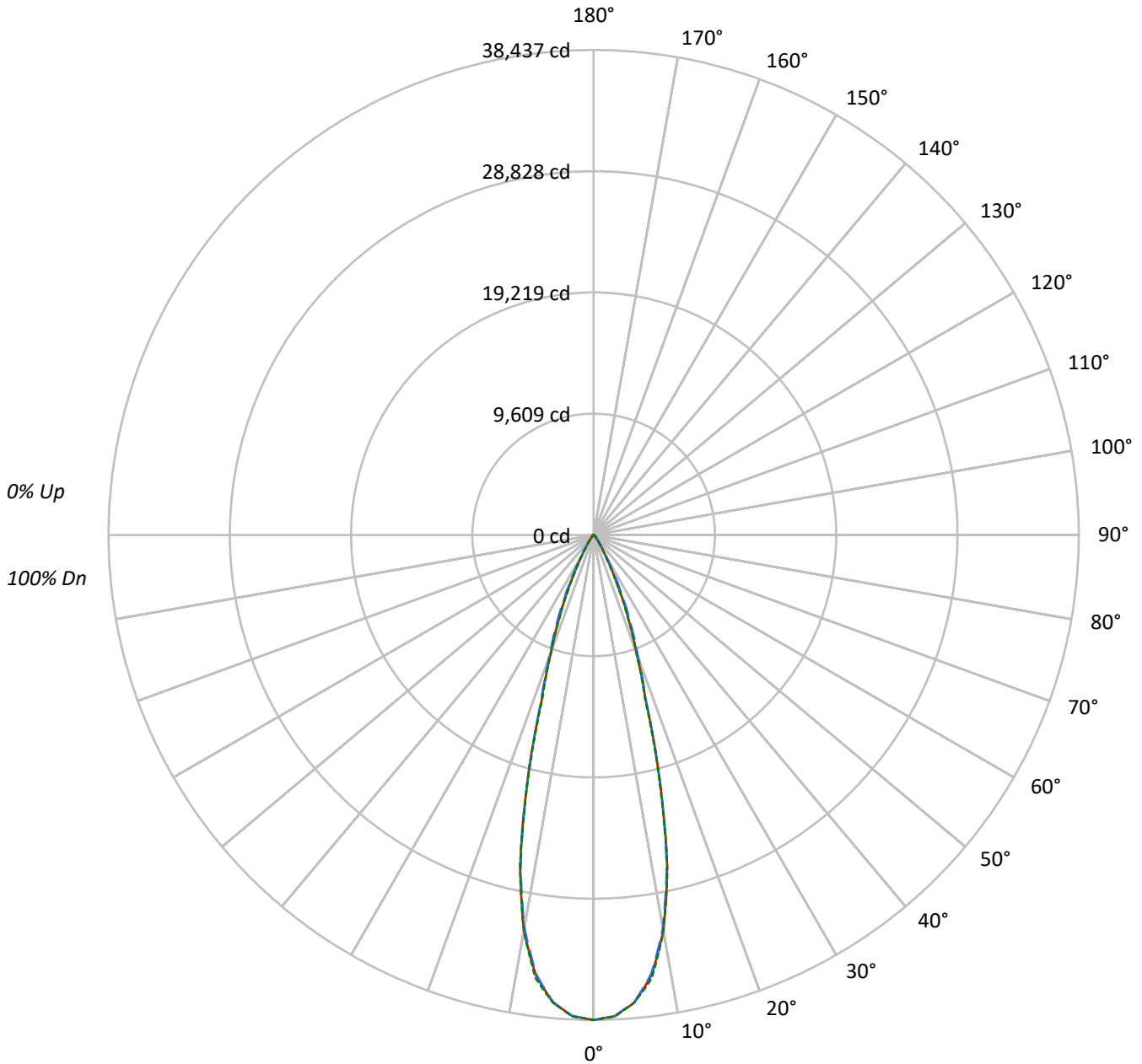
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2942068	2942068	2942068
5°	2857607	2854272	2857753
10°	2475127	2457670	2474536
15°	1614896	1606219	1598144
20°	803016	833138	801932
25°	404503	456140	396218
30°	161956	176469	141106
35°	75118	71941	60308
40°	32434	36011	30546
45°	22884	28394	23079
50°	7859	20672	8312
55°	4537	8567	4791
60°	3184	3751	3184
65°	2047	2047	2047
70°	1276	850	1276
75°	0	562	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 28394 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3379.9	28.3
10°-20°	5443.4	45.5
20°-30°	2352.2	19.7
30°-40°	536.1	4.5
40°-50°	184.1	1.5
50°-60°	45.0	0.4
60°-70°	11.6	0.1
70°-80°	1.2	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°	11175.5	93.5
0°-40°	11711.7	98.0
0°-60°	11940.7	99.9
0°-90°	11953.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11953.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38437	38437	38437	38437	38437	
5°	37191	37155	37148	37225	37193	3383
15°	20379	20134	20269	20203	20168	5457
25°	4790	4971	5401	4844	4691	2293
35°	804	821	770	764	645	545
45°	211	262	262	262	213	150
55°	34	36	64	38	36	33
65°	11	11	11	11	11	11
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°	38436.6	38436.6	38436.6	38436.6	38436.6
2.5°	38181.9	38155.5	38170.6	38189.4	38197.0
5°	37191.1	37155.3	37147.7	37225.1	37193.0
7.5°	35192.7	35141.7	35064.4	35239.9	35404.1
10°	31845.0	31788.4	31620.4	31703.4	31837.4
12.5°	26902.6	26719.6	26715.8	26980.0	26944.1
15°	20378.9	20133.6	20269.4	20203.4	20167.5
17.5°	13704.2	13609.8	13791.0	13736.3	13500.4
20°	9858.3	9882.8	10228.1	10054.5	9845.0
22.5°	7193.7	7282.4	7691.9	7244.6	7080.4
25°	4789.5	4970.6	5400.9	4844.2	4691.4
27.5°	2945.8	3028.8	3464.7	2908.0	2825.0
30°	1832.4	1790.9	1996.6	1713.5	1596.5
32.5°	1202.1	1149.2	1215.3	1090.7	996.4
35°	803.9	820.9	769.9	764.3	645.4
37.5°	502.0	577.5	509.5	543.5	415.2
40°	324.6	418.9	360.4	398.2	305.7
42.5°	266.1	322.7	296.3	315.1	271.7
45°	211.4	262.3	262.3	262.3	213.2
47.5°	117.0	175.5	224.6	179.3	124.5
50°	66.0	88.7	173.6	92.5	69.8
52.5°	45.3	51.0	118.9	52.8	47.2
55°	34.0	35.9	64.2	37.7	35.9
57.5°	26.4	28.3	34.0	28.3	26.4
60°	20.8	20.8	24.5	22.6	20.8
62.5°	15.1	15.1	17.0	15.1	15.1
65°	11.3	11.3	11.3	11.3	11.3
67.5°	5.7	7.5	7.5	7.5	7.5
70°	5.7	3.8	3.8	3.8	5.7
72.5°	3.8	1.9	1.9	1.9	1.9
75°	0.0	0.0	1.9	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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