

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: P773461

Luminaire Tested: LD6D90BD010-EU6DR3070959050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773461
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-EU6DR3070959050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11207.5 lumens
Efficiency: N/A
Efficacy: 113.3 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

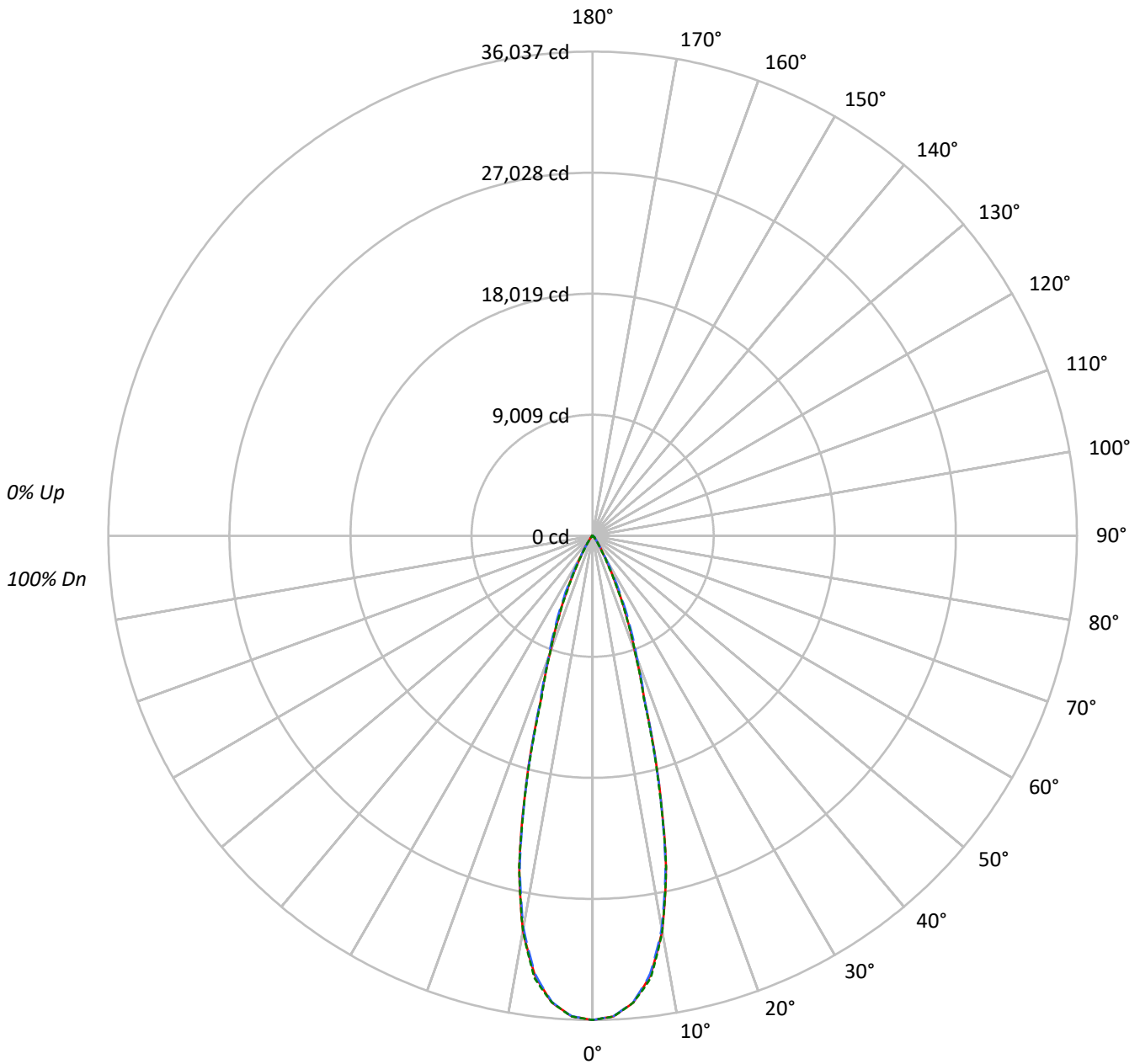
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2758425	2758425	2758425
5°	2679233	2676106	2679371
10°	2320627	2304258	2320075
15°	1514091	1505960	1498393
20°	752888	781136	751878
25°	379251	427670	371481
30°	151845	165447	132294
35°	70427	67456	56542
40°	30406	33763	28637
45°	21455	26618	21639
50°	7371	19386	7800
55°	4244	8034	4484
60°	2985	3521	2985
65°	1920	1920	1920
70°	1186	783	1186
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 26618 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3168.9	28.3
10°-20°	5103.6	45.5
20°-30°	2205.4	19.7
30°-40°	502.7	4.5
40°-50°	172.6	1.5
50°-60°	42.2	0.4
60°-70°	10.9	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°	10478.0	93.5
0°-40°	10980.6	98.0
0°-60°	11195.4	99.9
0°-90°	11207.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11207.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36037	36037	36037	36037	36037	
5°	34870	34836	34829	34902	34871	3172
15°	19107	18877	19004	18942	18909	5116
25°	4490	4660	5064	4542	4398	2149
35°	754	770	722	717	605	511
45°	198	246	246	246	200	141
55°	32	34	60	35	34	31
65°	11	11	11	11	11	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°	36037.4	36037.4	36037.4	36037.4	36037.4
2.5°	35798.5	35773.8	35787.9	35805.6	35812.7
5°	34869.6	34836.0	34828.9	34901.5	34871.4
7.5°	32995.9	32948.2	32875.6	33040.2	33194.1
10°	29857.2	29804.1	29646.6	29724.5	29850.1
12.5°	25223.3	25051.7	25048.2	25295.9	25262.3
15°	19106.8	18876.8	19004.2	18942.3	18908.7
17.5°	12848.8	12760.3	12930.1	12878.8	12657.7
20°	9242.9	9265.9	9589.7	9426.9	9230.5
22.5°	6744.6	6827.8	7211.7	6792.4	6638.5
25°	4490.5	4660.4	5063.8	4541.8	4398.5
27.5°	2761.9	2839.7	3248.5	2726.5	2648.7
30°	1718.0	1679.1	1871.9	1606.5	1496.8
32.5°	1127.1	1077.5	1139.4	1022.7	934.2
35°	753.7	769.7	721.9	716.6	605.1
37.5°	470.6	541.4	477.7	509.6	389.2
40°	304.3	392.8	337.9	373.3	286.6
42.5°	249.5	302.6	277.8	295.5	254.8
45°	198.2	245.9	245.9	245.9	199.9
47.5°	109.7	164.5	210.5	168.1	116.8
50°	61.9	83.2	162.8	86.7	65.5
52.5°	42.5	47.8	111.5	49.5	44.2
55°	31.8	33.6	60.2	35.4	33.6
57.5°	24.8	26.5	31.8	26.5	24.8
60°	19.5	19.5	23.0	21.2	19.5
62.5°	14.2	14.2	15.9	14.2	14.2
65°	10.6	10.6	10.6	10.6	10.6
67.5°	5.3	7.1	7.1	7.1	7.1
70°	5.3	3.5	3.5	3.5	5.3
72.5°	3.5	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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



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Scaled Data Report





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

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