

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: P773436

Luminaire Tested: LD6D90BD010-EU6DR3070959035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773436
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-EU6DR3070959035-6LBS1H
Description: 6 INCH ROUND SHALLOW 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: 11338.7 lumens
Efficiency: N/A
Efficacy: 114.6 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

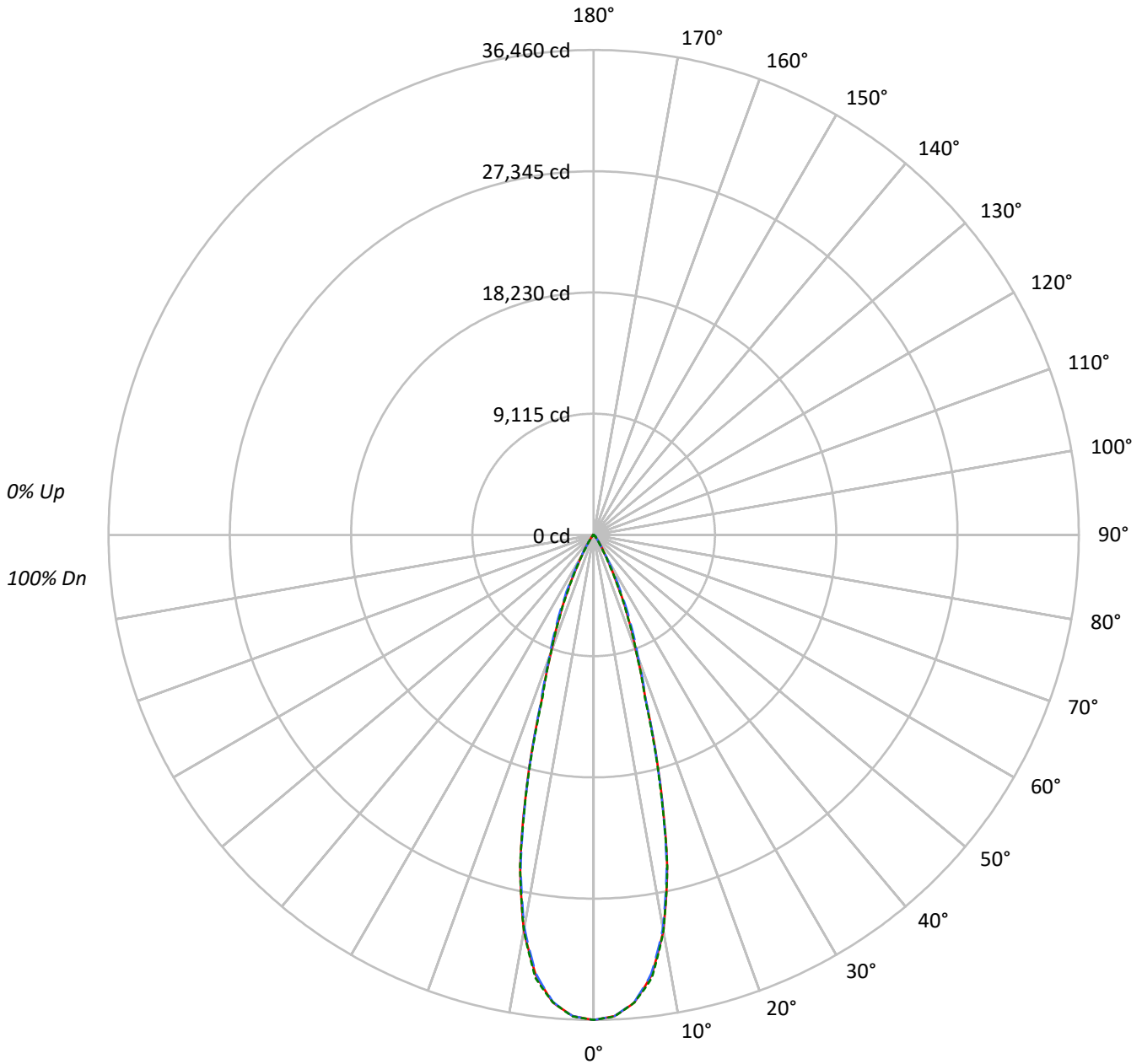
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2790734	2790734	2790734
5°	2710620	2707455	2710759
10°	2347807	2331252	2347248
15°	1531825	1523600	1515937
20°	761709	790284	760683
25°	383693	432678	375831
30°	153621	167392	133850
35°	71259	68241	57205
40°	30765	34163	28977
45°	21704	26932	21899
50°	7466	19613	7883
55°	4297	8127	4537
60°	3016	3567	3016
65°	1938	1938	1938
70°	1209	806	1209
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 26932 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3206.1	28.3
10°-20°	5163.4	45.5
20°-30°	2231.2	19.7
30°-40°	508.5	4.5
40°-50°	174.6	1.5
50°-60°	42.7	0.4
60°-70°	11.1	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°	10600.7	93.5
0°-40°	11109.2	98.0
0°-60°	11326.5	99.9
0°-90°	11338.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11338.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36460	36460	36460	36460	36460	
5°	35278	35244	35237	35310	35280	3209
15°	19331	19098	19227	19164	19130	5176
25°	4543	4715	5123	4595	4450	2175
35°	763	779	730	725	612	517
45°	200	249	249	249	202	142
55°	32	34	61	36	34	31
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°	36459.5	36459.5	36459.5	36459.5	36459.5
2.5°	36217.8	36192.8	36207.1	36225.0	36232.2
5°	35278.1	35244.1	35236.9	35310.3	35279.9
7.5°	33382.4	33334.1	33260.7	33427.2	33582.9
10°	30206.9	30153.2	29993.9	30072.6	30199.7
12.5°	25518.8	25345.1	25341.6	25592.2	25558.2
15°	19330.6	19097.9	19226.8	19164.1	19130.1
17.5°	12999.3	12909.8	13081.6	13029.7	12805.9
20°	9351.2	9374.4	9702.0	9537.3	9338.6
22.5°	6823.6	6907.8	7296.2	6872.0	6716.2
25°	4543.1	4715.0	5123.1	4595.0	4450.0
27.5°	2794.2	2873.0	3286.5	2758.4	2679.7
30°	1738.1	1698.7	1893.9	1625.4	1514.4
32.5°	1140.3	1090.1	1152.8	1034.6	945.1
35°	762.6	778.7	730.3	725.0	612.2
37.5°	476.2	547.8	483.3	515.5	393.8
40°	307.9	397.4	341.9	377.7	290.0
42.5°	252.4	306.1	281.0	298.9	257.8
45°	200.5	248.8	248.8	248.8	202.3
47.5°	111.0	166.5	213.0	170.1	118.1
50°	62.7	84.1	164.7	87.7	66.2
52.5°	43.0	48.3	112.8	50.1	44.8
55°	32.2	34.0	60.9	35.8	34.0
57.5°	25.1	26.9	32.2	26.9	25.1
60°	19.7	19.7	23.3	21.5	19.7
62.5°	14.3	14.3	16.1	14.3	14.3
65°	10.7	10.7	10.7	10.7	10.7
67.5°	5.4	7.2	7.2	7.2	7.2
70°	5.4	3.6	3.6	3.6	5.4
72.5°	3.6	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





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

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