

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: P773458

Luminaire Tested: LD6D90BD010-EU6DR3070959050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773458
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-EU6DR3070959050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 11355.9 lumens
Efficiency: N/A
Efficacy: 114.8 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

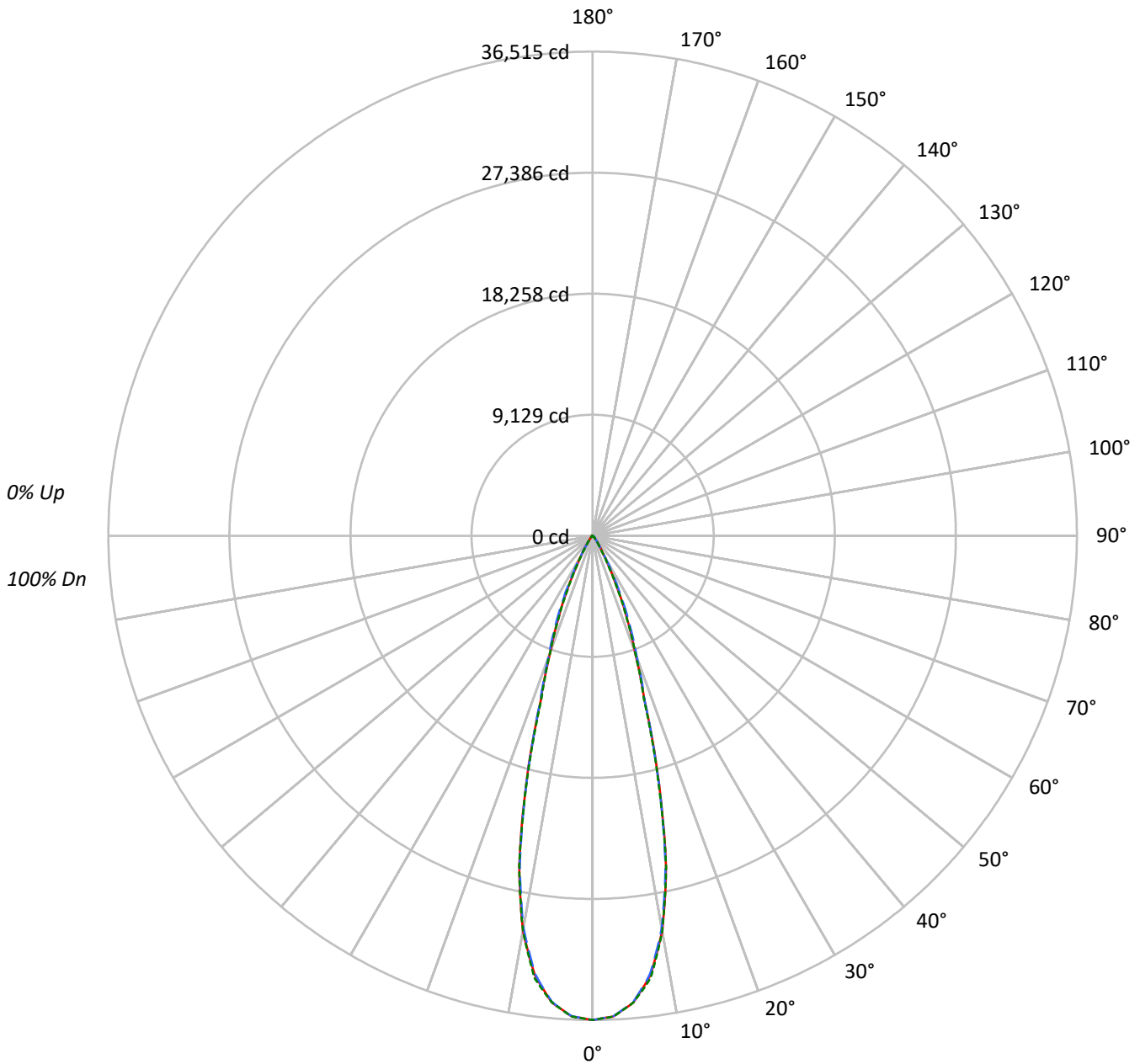


Downlight

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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°	2794967	2794967	2794967
5°	2714731	2711565	2714869
10°	2351367	2334788	2350807
15°	1534147	1525914	1518243
20°	762858	791481	761840
25°	384276	433337	376405
30°	153860	167639	134053
35°	71362	68344	57289
40°	30815	34213	29017
45°	21736	26976	21931
50°	7466	19636	7895
55°	4310	8140	4551
60°	3016	3567	3016
65°	1956	1956	1956
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: 26976 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3210.9	28.3
10°-20°	5171.2	45.5
20°-30°	2234.6	19.7
30°-40°	509.3	4.5
40°-50°	174.9	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°	10616.8	93.5
0°-40°	11126.1	98.0
0°-60°	11343.7	99.9
0°-90°	11355.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11355.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36515	36515	36515	36515	36515	
5°	35332	35298	35290	35364	35333	3214
15°	19360	19127	19256	19193	19159	5184
25°	4550	4722	5131	4602	4457	2178
35°	764	780	731	726	613	518
45°	201	249	249	249	203	143
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°	36514.8	36514.8	36514.8	36514.8	36514.8
2.5°	36272.8	36247.7	36262.0	36280.0	36287.1
5°	35331.6	35297.5	35290.4	35363.9	35333.4
7.5°	33433.1	33384.7	33311.2	33477.9	33633.9
10°	30252.7	30198.9	30039.4	30118.3	30245.5
12.5°	25557.5	25383.6	25380.0	25631.0	25596.9
15°	19359.9	19126.9	19256.0	19193.2	19159.2
17.5°	13019.0	12929.3	13101.4	13049.5	12825.4
20°	9365.3	9388.7	9716.7	9551.8	9352.8
22.5°	6834.0	6918.2	7307.3	6882.4	6726.4
25°	4550.0	4722.1	5130.9	4602.0	4456.8
27.5°	2798.5	2877.4	3291.5	2762.6	2683.8
30°	1740.8	1701.3	1896.7	1627.8	1516.7
32.5°	1142.0	1091.8	1154.5	1036.2	946.6
35°	763.7	779.8	731.4	726.1	613.1
37.5°	476.9	548.6	484.0	516.3	394.4
40°	308.4	398.0	342.4	378.3	290.4
42.5°	252.8	306.6	281.5	299.4	258.2
45°	200.8	249.2	249.2	249.2	202.6
47.5°	111.2	166.7	213.3	170.3	118.3
50°	62.7	84.3	164.9	87.8	66.3
52.5°	43.0	48.4	112.9	50.2	44.8
55°	32.3	34.1	61.0	35.9	34.1
57.5°	25.1	26.9	32.3	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°	10.8	10.8	10.8	10.8	10.8
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

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

Scaled Data Report



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Scaled Data Report





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

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