

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: P770343

Luminaire Tested: LD6D70BD010-EU6DR3070959050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770343
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: LD6D70BD010-EU6DR3070959050-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 9281.2 lumens
Efficiency: N/A
Efficacy: 139.4 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): 66.6
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

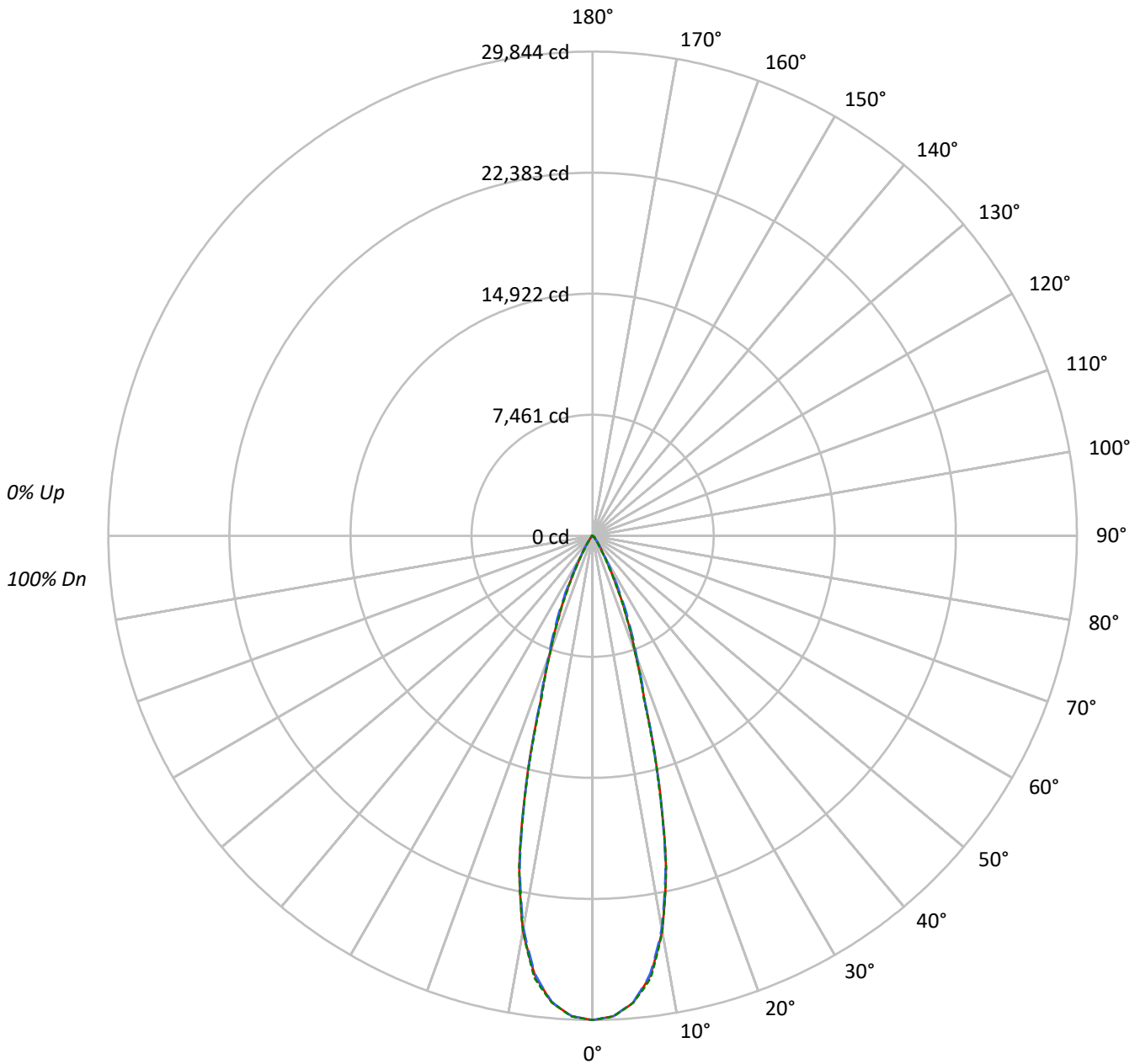


Downlight

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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°	2284323	2284323	2284323
5°	2218741	2216151	2218856
10°	1921770	1908215	1921311
15°	1253855	1247127	1240851
20°	623487	646881	622648
25°	314068	354159	307632
30°	125745	137014	109562
35°	58327	55860	46824
40°	25180	27968	23721
45°	17764	22050	17926
50°	6109	16052	6454
55°	3523	6646	3710
60°	2465	2909	2465
65°	1594	1594	1594
70°	985	649	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 22050 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2624.3	28.3
10°-20°	4226.4	45.5
20°-30°	1826.4	19.7
30°-40°	416.3	4.5
40°-50°	142.9	1.5
50°-60°	34.9	0.4
60°-70°	9.1	0.1
70°-80°	1.0	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°	8677.1	93.5
0°-40°	9093.3	98.0
0°-60°	9271.2	99.9
0°-90°	9281.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9281.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29844	29844	29844	29844	29844	
5°	28876	28849	28843	28903	28878	2626
15°	15823	15632	15738	15687	15659	4237
25°	3719	3859	4193	3761	3642	1780
35°	624	637	598	593	501	423
45°	164	204	204	204	166	116
55°	26	28	50	29	28	26
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
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°	29843.5	29843.5	29843.5	29843.5	29843.5
2.5°	29645.7	29625.2	29636.9	29651.5	29657.4
5°	28876.4	28848.6	28842.7	28902.8	28877.9
7.5°	27324.8	27285.2	27225.1	27361.4	27488.9
10°	24725.5	24681.5	24551.1	24615.6	24719.6
12.5°	20888.1	20746.0	20743.0	20948.2	20920.3
15°	15822.8	15632.4	15737.9	15686.6	15658.7
17.5°	10640.4	10567.1	10707.8	10665.3	10482.1
20°	7654.3	7673.3	7941.5	7806.7	7644.0
22.5°	5585.4	5654.3	5972.2	5625.0	5497.5
25°	3718.7	3859.4	4193.4	3761.2	3642.5
27.5°	2287.2	2351.7	2690.1	2257.9	2193.4
30°	1422.7	1390.5	1550.2	1330.4	1239.6
32.5°	933.3	892.3	943.6	846.9	773.6
35°	624.2	637.4	597.8	593.4	501.1
37.5°	389.7	448.4	395.6	422.0	322.3
40°	252.0	325.3	279.9	309.2	237.4
42.5°	206.6	250.6	230.0	244.7	211.0
45°	164.1	203.7	203.7	203.7	165.6
47.5°	90.8	136.3	174.4	139.2	96.7
50°	51.3	68.9	134.8	71.8	54.2
52.5°	35.2	39.6	92.3	41.0	36.6
55°	26.4	27.8	49.8	29.3	27.8
57.5°	20.5	22.0	26.4	22.0	20.5
60°	16.1	16.1	19.0	17.6	16.1
62.5°	11.7	11.7	13.2	11.7	11.7
65°	8.8	8.8	8.8	8.8	8.8
67.5°	4.4	5.9	5.9	5.9	5.9
70°	4.4	2.9	2.9	2.9	4.4
72.5°	2.9	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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