

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: P770317

Luminaire Tested: LD6D70BD010-EU6DR3070959035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770317
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-EU6DR3070959035-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 8803.8 lumens
Efficiency: N/A
Efficacy: 132.2 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

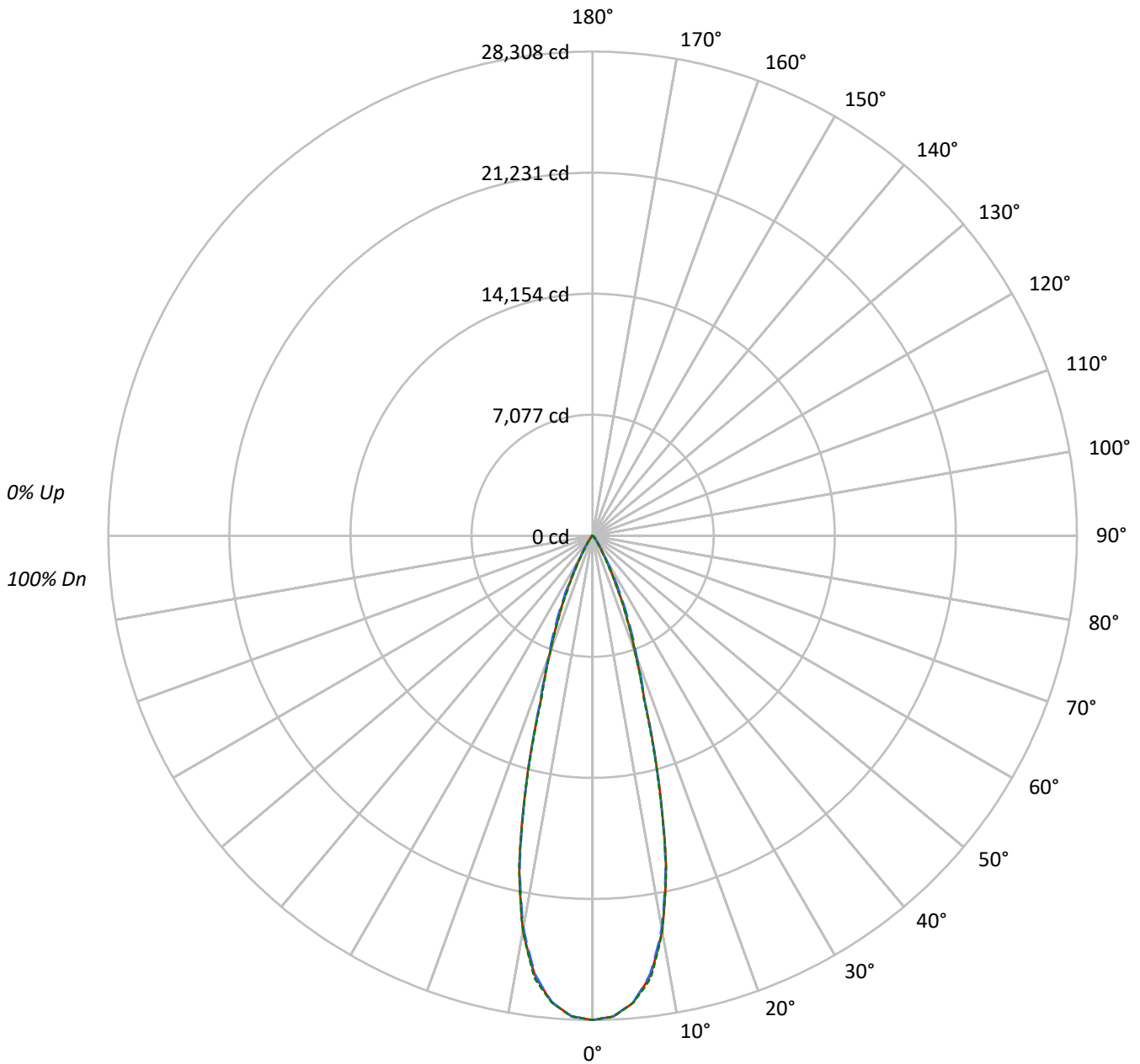


Downlight

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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	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°	2166821	2166821	2166821
5°	2104617	2102158	2104716
10°	1822912	1810057	1822485
15°	1189359	1182972	1177028
20°	591410	613606	590620
25°	297911	335942	291813
30°	119275	129970	103923
35°	55327	52991	44413
40°	23891	26529	22502
45°	16854	20914	17006
50°	5787	15230	6121
55°	3336	6312	3523
60°	2342	2771	2342
65°	1503	1503	1503
70°	940	627	940
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 20914 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2489.3	28.3
10°-20°	4009.0	45.5
20°-30°	1732.4	19.7
30°-40°	394.9	4.5
40°-50°	135.6	1.5
50°-60°	33.1	0.4
60°-70°	8.6	0.1
70°-80°	0.9	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°	8230.7	93.5
0°-40°	8625.6	98.0
0°-60°	8794.3	99.9
0°-90°	8803.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8803.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28308	28308	28308	28308	28308	
5°	27391	27365	27359	27416	27392	2491
15°	15009	14828	14928	14880	14853	4019
25°	3527	3661	3978	3568	3455	1688
35°	592	605	567	563	475	402
45°	156	193	193	193	157	110
55°	25	26	47	28	26	24
65°	8	8	8	8	8	8
75°	0	0	1	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°	28308.4	28308.4	28308.4	28308.4	28308.4
2.5°	28120.7	28101.3	28112.4	28126.3	28131.8
5°	27391.1	27364.6	27359.1	27416.1	27392.4
7.5°	25919.2	25881.7	25824.7	25954.0	26074.9
10°	23453.6	23411.9	23288.2	23349.4	23448.1
12.5°	19813.6	19678.8	19676.0	19870.6	19844.2
15°	15008.9	14828.3	14928.3	14879.7	14853.3
17.5°	10093.1	10023.6	10157.0	10116.7	9942.9
20°	7260.5	7278.6	7533.0	7405.1	7250.8
22.5°	5298.1	5363.4	5665.0	5335.6	5214.7
25°	3527.4	3660.9	3977.7	3567.7	3455.2
27.5°	2169.5	2230.7	2551.8	2141.8	2080.6
30°	1349.5	1319.0	1470.5	1262.0	1175.8
32.5°	885.3	846.4	895.1	803.3	733.8
35°	592.1	604.6	567.1	562.9	475.3
37.5°	369.7	425.3	375.3	400.3	305.8
40°	239.1	308.5	265.5	293.3	225.2
42.5°	196.0	237.7	218.2	232.1	200.1
45°	155.7	193.2	193.2	193.2	157.1
47.5°	86.2	129.3	165.4	132.0	91.7
50°	48.6	65.3	127.9	68.1	51.4
52.5°	33.4	37.5	87.6	38.9	34.7
55°	25.0	26.4	47.3	27.8	26.4
57.5°	19.5	20.8	25.0	20.8	19.5
60°	15.3	15.3	18.1	16.7	15.3
62.5°	11.1	11.1	12.5	11.1	11.1
65°	8.3	8.3	8.3	8.3	8.3
67.5°	4.2	5.6	5.6	5.6	5.6
70°	4.2	2.8	2.8	2.8	4.2
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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