

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: P770277

Luminaire Tested: LD6D70BD010-EU6DR3070959024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770277
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-EU6DR3070959024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7109.7 lumens
Efficiency: N/A
Efficacy: 106.8 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

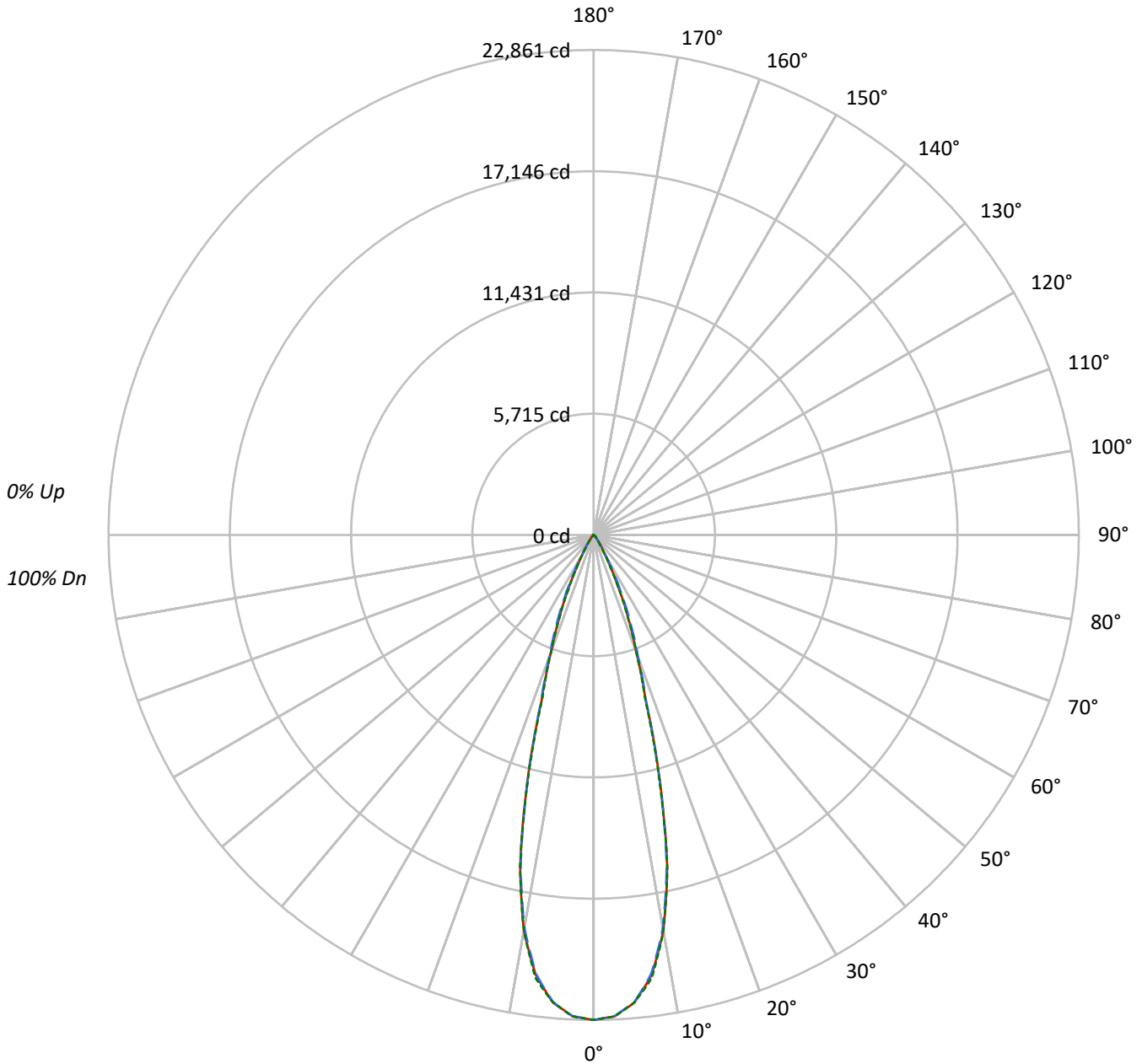
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1749874	1749874	1749874
5°	1699638	1697656	1699723
10°	1472143	1461767	1471793
15°	960503	955344	950542
20°	477616	495536	476972
25°	240591	271299	235658
30°	96330	104957	83930
35°	44675	42787	35872
40°	19295	21423	18166
45°	13607	16887	13726
50°	4680	12301	4942
55°	2696	5098	2842
60°	1883	2235	1883
65°	1213	1213	1213
70°	761	492	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16887 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2010.3	28.3
10°-20°	3237.6	45.5
20°-30°	1399.1	19.7
30°-40°	318.9	4.5
40°-50°	109.5	1.5
50°-60°	26.7	0.4
60°-70°	6.9	0.1
70°-80°	0.7	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°	6647.0	93.5
0°-40°	6965.8	98.0
0°-60°	7102.0	99.9
0°-90°	7109.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7109.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22861	22861	22861	22861	22861	
5°	22120	22099	22095	22141	22122	2012
15°	12121	11975	12056	12016	11995	3246
25°	2849	2956	3212	2881	2790	1364
35°	478	488	458	455	384	324
45°	126	156	156	156	127	89
55°	20	21	38	22	21	20
65°	7	7	7	7	7	7
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°	22861.2	22861.2	22861.2	22861.2	22861.2
2.5°	22709.7	22694.0	22702.9	22714.2	22718.7
5°	22120.4	22099.1	22094.6	22140.6	22121.5
7.5°	20931.8	20901.5	20855.5	20959.8	21057.5
10°	18940.6	18907.0	18807.1	18856.5	18936.1
12.5°	16001.0	15892.2	15889.9	16047.1	16025.7
15°	12120.9	11975.0	12055.8	12016.5	11995.2
17.5°	8150.9	8094.8	8202.6	8170.0	8029.7
20°	5863.5	5878.1	6083.5	5980.2	5855.6
22.5°	4278.6	4331.4	4574.9	4308.9	4211.3
25°	2848.7	2956.4	3212.3	2881.2	2790.3
27.5°	1752.1	1801.5	2060.7	1729.6	1680.2
30°	1089.9	1065.2	1187.5	1019.1	949.6
32.5°	715.0	683.5	722.8	648.8	592.6
35°	478.1	488.2	457.9	454.6	383.9
37.5°	298.6	343.5	303.1	323.3	246.9
40°	193.1	249.2	214.4	236.8	181.8
42.5°	158.3	191.9	176.2	187.4	161.6
45°	125.7	156.0	156.0	156.0	126.8
47.5°	69.6	104.4	133.6	106.6	74.1
50°	39.3	52.8	103.3	55.0	41.5
52.5°	26.9	30.3	70.7	31.4	28.1
55°	20.2	21.3	38.2	22.4	21.3
57.5°	15.7	16.8	20.2	16.8	15.7
60°	12.3	12.3	14.6	13.5	12.3
62.5°	9.0	9.0	10.1	9.0	9.0
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.2	2.2	2.2	3.4
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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