

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: P771876

Luminaire Tested: LD6D80BD010-EU6DR3070959035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771876
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: LD6D80BD010-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: 10039.9 lumens
Efficiency: N/A
Efficacy: 127.2 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

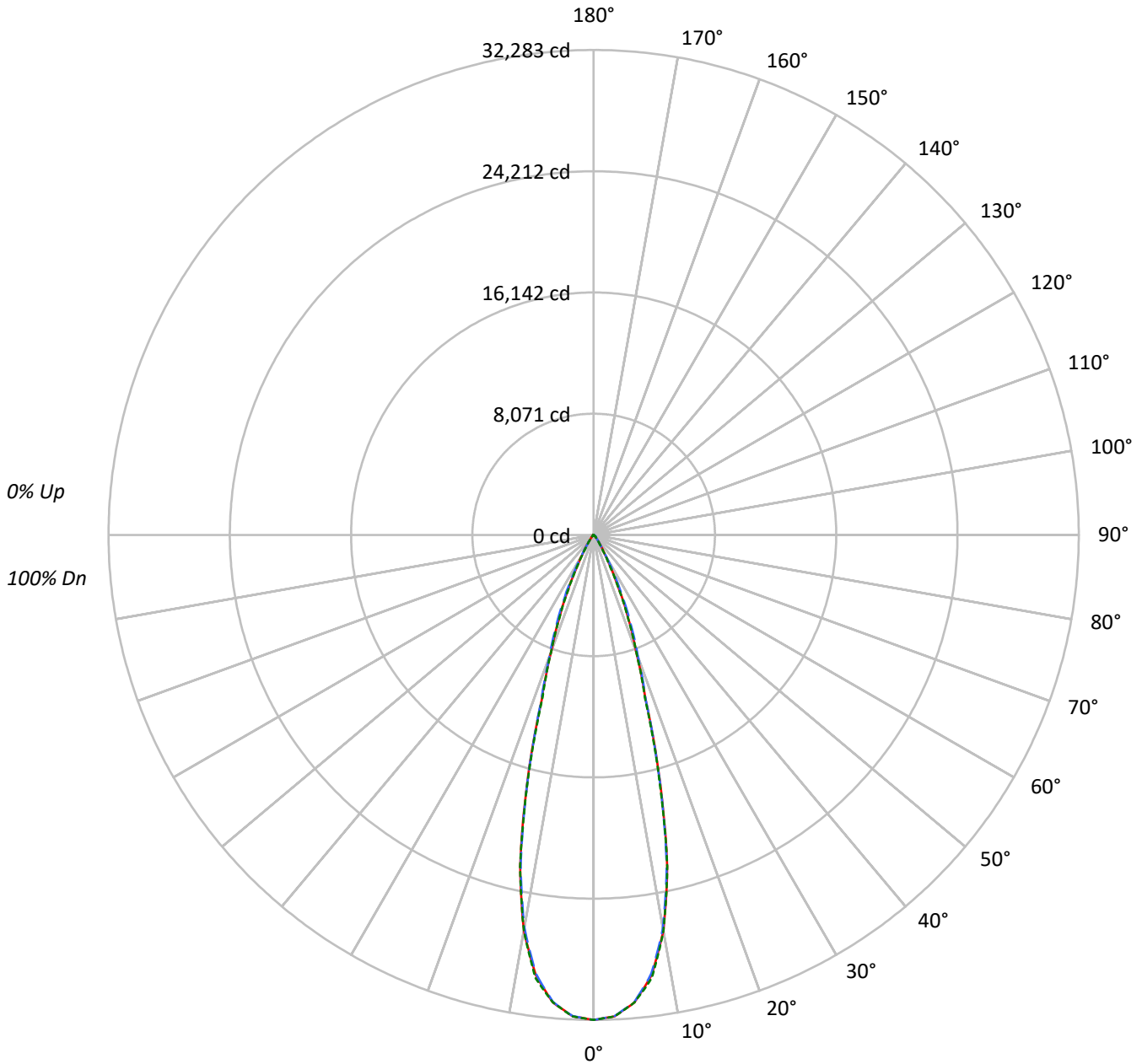
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2471066	2471066	2471066
5°	2400127	2397322	2400250
10°	2078874	2064215	2078384
15°	1356364	1349074	1342291
20°	674454	699762	673550
25°	339742	383119	332783
30°	136024	148212	118515
35°	63092	60429	50655
40°	27238	30246	25660
45°	19214	23847	19387
50°	6609	17362	6978
55°	3803	7193	4017
60°	2664	3154	2664
65°	1721	1721	1721
70°	1074	716	1074
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 23847 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2838.8	28.3
10°-20°	4571.9	45.5
20°-30°	1975.7	19.7
30°-40°	450.3	4.5
40°-50°	154.6	1.5
50°-60°	37.8	0.4
60°-70°	9.8	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°	9386.4	93.5
0°-40°	9836.7	98.0
0°-60°	10029.1	99.9
0°-90°	10039.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10039.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	32283	32283	32283	32283	32283	
5°	31237	31207	31201	31266	31239	2841
15°	17116	16910	17024	16969	16939	4583
25°	4023	4175	4536	4069	3940	1926
35°	675	690	647	642	542	458
45°	178	220	220	220	179	126
55°	28	30	54	32	30	28
65°	10	10	10	10	10	9
75°	0	0	2	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	32283.2	32283.2	32283.2	32283.2	32283.2
2.5°	32069.2	32047.0	32059.7	32075.6	32081.9
5°	31237.1	31207.0	31200.6	31265.6	31238.7
7.5°	29558.6	29515.8	29450.8	29598.2	29736.1
10°	26746.8	26699.3	26558.2	26627.9	26740.5
12.5°	22595.7	22442.0	22438.8	22660.7	22630.6
15°	17116.4	16910.3	17024.4	16969.0	16938.8
17.5°	11510.2	11431.0	11583.1	11537.2	11339.1
20°	8280.0	8300.6	8590.7	8444.9	8268.9
22.5°	6042.0	6116.5	6460.4	6084.8	5946.9
25°	4022.7	4174.9	4536.3	4068.7	3940.3
27.5°	2474.2	2543.9	2910.1	2442.5	2372.7
30°	1539.0	1504.2	1676.9	1439.2	1340.9
32.5°	1009.6	965.3	1020.7	916.1	836.9
35°	675.2	689.5	646.7	641.9	542.1
37.5°	421.6	485.0	427.9	456.5	348.7
40°	272.6	351.9	302.7	334.4	256.8
42.5°	223.5	271.0	248.8	264.7	228.2
45°	177.5	220.3	220.3	220.3	179.1
47.5°	98.3	147.4	188.6	150.6	104.6
50°	55.5	74.5	145.8	77.7	58.6
52.5°	38.0	42.8	99.9	44.4	39.6
55°	28.5	30.1	53.9	31.7	30.1
57.5°	22.2	23.8	28.5	23.8	22.2
60°	17.4	17.4	20.6	19.0	17.4
62.5°	12.7	12.7	14.3	12.7	12.7
65°	9.5	9.5	9.5	9.5	9.5
67.5°	4.8	6.3	6.3	6.3	6.3
70°	4.8	3.2	3.2	3.2	4.8
72.5°	3.2	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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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