

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: P771837

Luminaire Tested: LD6D80BD010-EU6DR3070959024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771837
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-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: 8513.4 lumens
Efficiency: N/A
Efficacy: 107.9 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

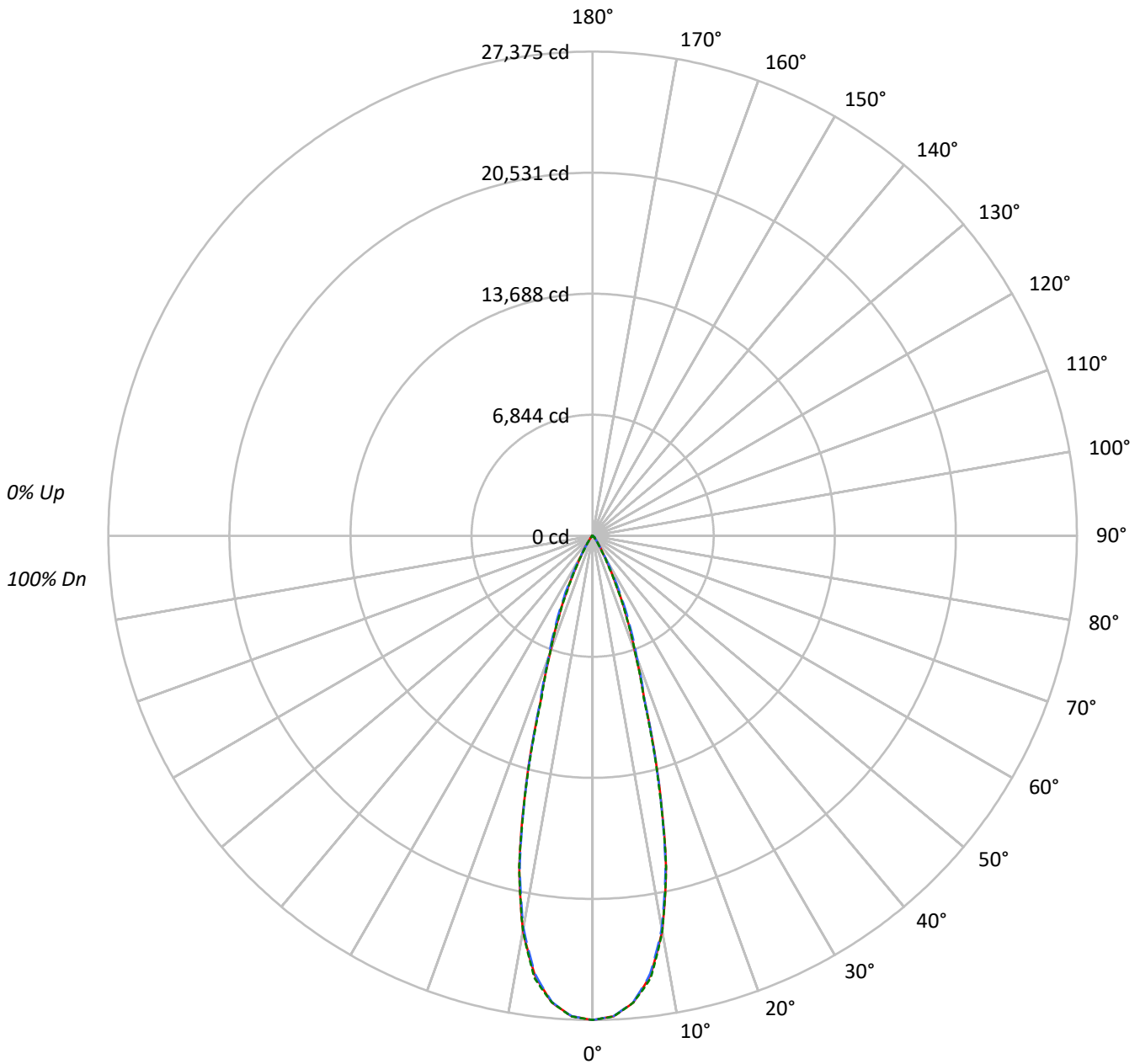


Downlight

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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	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°	2095360	2095360	2095360
5°	2035203	2032829	2035311
10°	1762793	1750365	1762381
15°	1150133	1143960	1138207
20°	571909	593365	571143
25°	288089	324870	282185
30°	115342	125683	100493
35°	53496	51244	42955
40°	23102	25650	21753
45°	16291	20221	16443
50°	5597	14718	5918
55°	3229	6099	3403
60°	2266	2679	2266
65°	1467	1467	1467
70°	895	604	895
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 20221 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2407.2	28.3
10°-20°	3876.8	45.5
20°-30°	1675.3	19.7
30°-40°	381.8	4.5
40°-50°	131.1	1.5
50°-60°	32.0	0.4
60°-70°	8.3	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°	7959.3	93.5
0°-40°	8341.1	98.0
0°-60°	8504.2	99.9
0°-90°	8513.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8513.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27375	27375	27375	27375	27375	
5°	26488	26462	26457	26512	26489	2409
15°	14514	14339	14436	14389	14363	3886
25°	3411	3540	3847	3450	3341	1633
35°	572	585	548	544	460	388
45°	150	187	187	187	152	107
55°	24	26	46	27	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°	27374.8	27374.8	27374.8	27374.8	27374.8
2.5°	27193.3	27174.5	27185.3	27198.7	27204.1
5°	26487.7	26462.2	26456.8	26511.9	26489.1
7.5°	25064.4	25028.1	24973.0	25098.0	25214.9
10°	22680.1	22639.8	22520.2	22579.3	22674.8
12.5°	19160.2	19029.8	19027.1	19215.3	19189.7
15°	14513.9	14339.2	14436.0	14389.0	14363.4
17.5°	9760.2	9693.0	9822.0	9783.0	9615.0
20°	7021.1	7038.6	7284.5	7160.9	7011.7
22.5°	5123.4	5186.5	5478.2	5159.6	5042.7
25°	3411.1	3540.1	3846.6	3450.1	3341.2
27.5°	2098.0	2157.1	2467.6	2071.1	2012.0
30°	1305.0	1275.5	1422.0	1220.4	1137.0
32.5°	856.1	818.5	865.5	776.8	709.6
35°	572.5	584.6	548.4	544.3	459.7
37.5°	357.5	411.3	362.9	387.1	295.7
40°	231.2	298.4	256.7	283.6	217.7
42.5°	189.5	229.8	211.0	224.4	193.5
45°	150.5	186.8	186.8	186.8	151.9
47.5°	83.3	125.0	159.9	127.7	88.7
50°	47.0	63.2	123.6	65.9	49.7
52.5°	32.3	36.3	84.7	37.6	33.6
55°	24.2	25.5	45.7	26.9	25.5
57.5°	18.8	20.2	24.2	20.2	18.8
60°	14.8	14.8	17.5	16.1	14.8
62.5°	10.8	10.8	12.1	10.8	10.8
65°	8.1	8.1	8.1	8.1	8.1
67.5°	4.0	5.4	5.4	5.4	5.4
70°	4.0	2.7	2.7	2.7	4.0
72.5°	2.7	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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