

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: P771098

Luminaire Tested: LD6D75BD010-EU6DR3070959035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771098
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: LD6D75BD010-EU6DR3070959035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8423.7 lumens
Efficiency: N/A
Efficacy: 116.3 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): 72.4
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

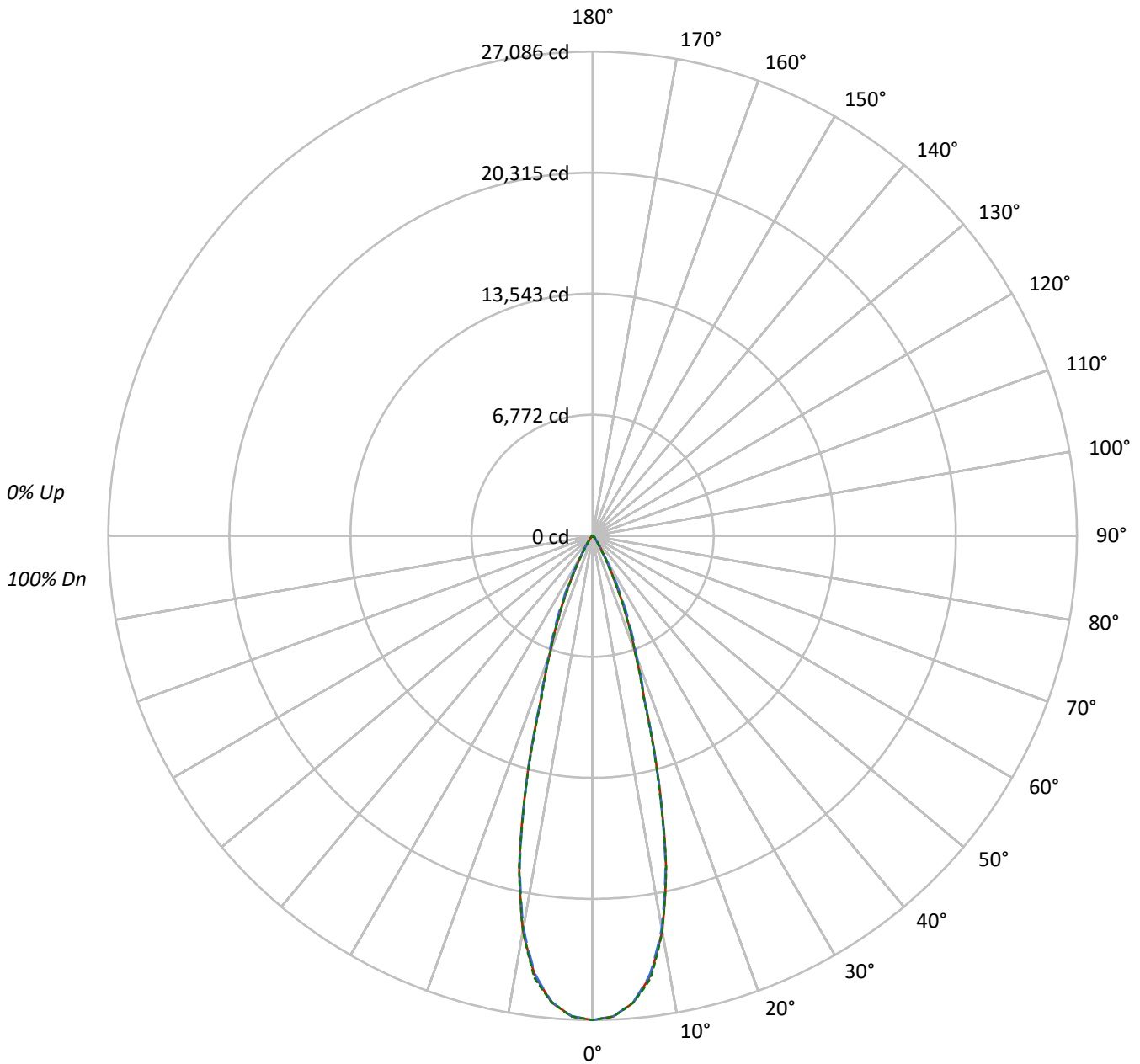


Downlight

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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°	2073270	2073270	2073270
5°	2013751	2011399	2013850
10°	1744209	1731913	1743797
15°	1138009	1131899	1126209
20°	565881	587109	565124
25°	285048	321441	279213
30°	114131	124357	99433
35°	52935	50702	42498
40°	22852	25380	21523
45°	16118	20004	16270
50°	5537	14564	5859
55°	3189	6032	3376
60°	2235	2648	2235
65°	1449	1449	1449
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: 20004 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2381.8	28.3
10°-20°	3835.9	45.5
20°-30°	1657.6	19.7
30°-40°	377.8	4.5
40°-50°	129.7	1.5
50°-60°	31.7	0.4
60°-70°	8.2	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°	7875.4	93.5
0°-40°	8253.2	98.0
0°-60°	8414.6	99.9
0°-90°	8423.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8423.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27086	27086	27086	27086	27086	
5°	26208	26183	26178	26232	26210	2384
15°	14361	14188	14284	14237	14212	3845
25°	3375	3503	3806	3414	3306	1616
35°	566	578	543	539	455	384
45°	149	185	185	185	150	106
55°	24	25	45	27	25	23
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°	27086.2	27086.2	27086.2	27086.2	27086.2
2.5°	26906.6	26888.0	26898.7	26912.0	26917.3
5°	26208.5	26183.2	26177.9	26232.4	26209.8
7.5°	24800.2	24764.3	24709.8	24833.4	24949.1
10°	22441.0	22401.2	22282.8	22341.3	22435.7
12.5°	18958.2	18829.2	18826.5	19012.7	18987.5
15°	14360.9	14188.1	14283.8	14237.3	14212.0
17.5°	9657.3	9590.8	9718.5	9679.9	9513.7
20°	6947.1	6964.4	7207.7	7085.4	6937.8
22.5°	5069.3	5131.9	5420.4	5105.3	4989.6
25°	3375.1	3502.8	3806.0	3413.7	3306.0
27.5°	2075.9	2134.4	2441.6	2049.3	1990.8
30°	1291.3	1262.0	1407.0	1207.5	1125.0
32.5°	847.1	809.9	856.4	768.6	702.2
35°	566.5	578.5	542.6	538.6	454.8
37.5°	353.7	406.9	359.1	383.0	292.6
40°	228.7	295.2	254.0	280.6	215.4
42.5°	187.5	227.4	208.8	222.1	191.5
45°	148.9	184.8	184.8	184.8	150.3
47.5°	82.5	123.7	158.3	126.3	87.8
50°	46.5	62.5	122.3	65.2	49.2
52.5°	31.9	35.9	83.8	37.2	33.2
55°	23.9	25.3	45.2	26.6	25.3
57.5°	18.6	19.9	23.9	19.9	18.6
60°	14.6	14.6	17.3	16.0	14.6
62.5°	10.6	10.6	12.0	10.6	10.6
65°	8.0	8.0	8.0	8.0	8.0
67.5°	4.0	5.3	5.3	5.3	5.3
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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