

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: P771092

Luminaire Tested: LD6D75BD010-EU6DR3070959035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771092
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-EU6DR3070959035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 8418.8 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

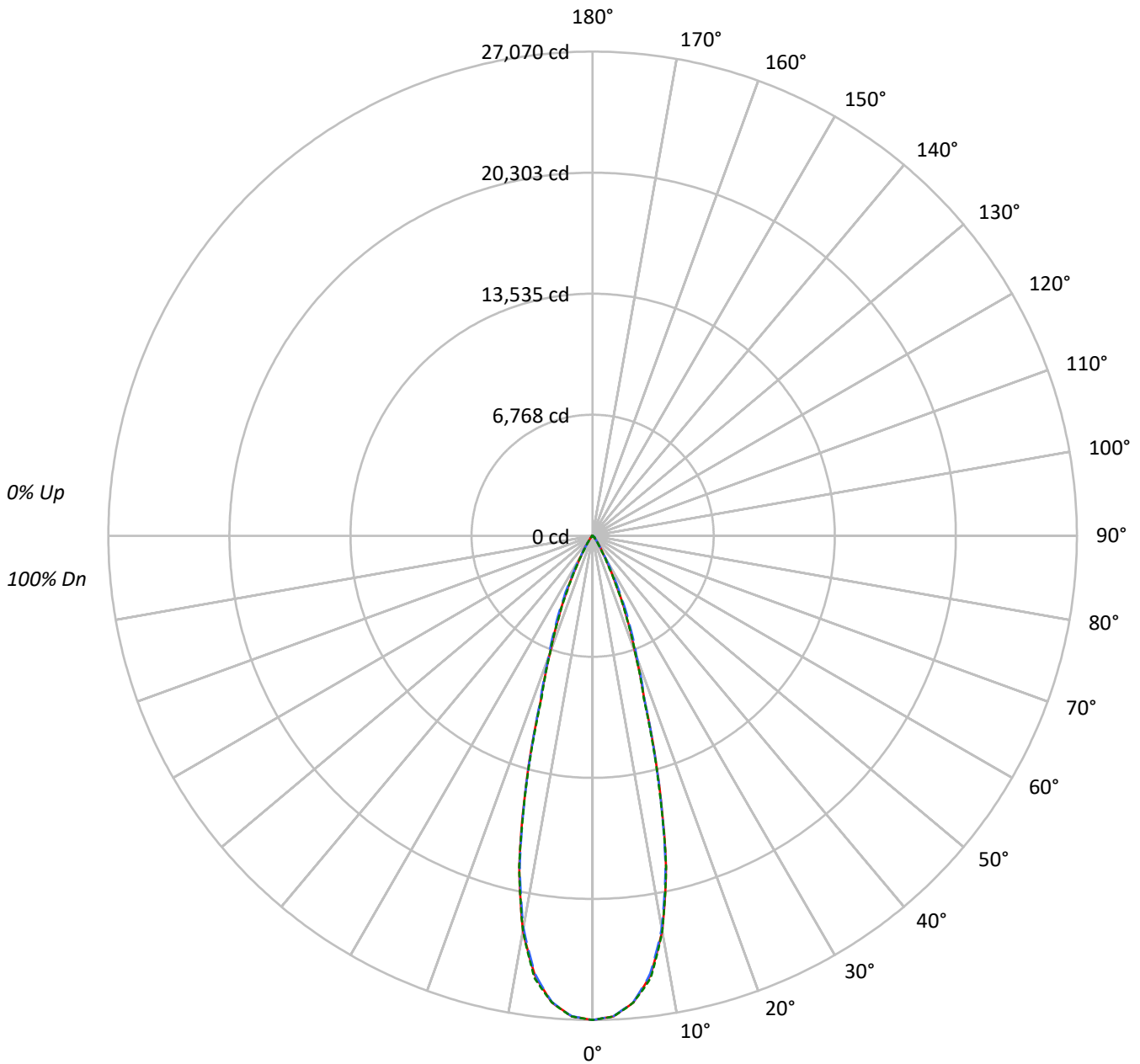


Downlight

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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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2072068	2072068	2072068
5°	2012583	2010231	2012683
10°	1743198	1730910	1742786
15°	1137351	1131241	1125560
20°	565556	586767	564790
25°	284888	321255	279052
30°	114060	124287	99380
35°	52907	50674	42469
40°	22842	25370	21513
45°	16118	19994	16259
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: 19994 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2380.4	28.3
10°-20°	3833.7	45.5
20°-30°	1656.7	19.7
30°-40°	377.6	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°	7870.8	93.5
0°-40°	8248.4	98.0
0°-60°	8409.7	99.9
0°-90°	8418.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8418.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27070	27070	27070	27070	27070	
5°	26193	26168	26163	26217	26195	2382
15°	14353	14180	14276	14229	14204	3843
25°	3373	3501	3804	3412	3304	1615
35°	566	578	542	538	454	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°	27070.5	27070.5	27070.5	27070.5	27070.5
2.5°	26891.0	26872.4	26883.1	26896.4	26901.7
5°	26193.3	26168.0	26162.7	26217.2	26194.6
7.5°	24785.8	24749.9	24695.4	24819.0	24934.6
10°	22428.0	22388.2	22269.9	22328.3	22422.7
12.5°	18947.2	18818.3	18815.6	19001.7	18976.4
15°	14352.6	14179.8	14275.5	14229.0	14203.8
17.5°	9651.7	9585.2	9712.8	9674.3	9508.2
20°	6943.1	6960.3	7203.5	7081.3	6933.7
22.5°	5066.4	5128.9	5417.3	5102.3	4986.7
25°	3373.2	3500.8	3803.8	3411.7	3304.1
27.5°	2074.7	2133.2	2440.2	2048.1	1989.6
30°	1290.5	1261.3	1406.2	1206.8	1124.4
32.5°	846.6	809.4	855.9	768.2	701.7
35°	566.2	578.1	542.3	538.3	454.5
37.5°	353.5	406.7	358.8	382.8	292.4
40°	228.6	295.1	253.9	280.4	215.3
42.5°	187.4	227.3	208.7	222.0	191.4
45°	148.9	184.7	184.7	184.7	150.2
47.5°	82.4	123.6	158.2	126.3	87.7
50°	46.5	62.5	122.3	65.1	49.2
52.5°	31.9	35.9	83.7	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	15.9	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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