

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: P770312

Luminaire Tested: LD6D70BD010-EU6DR3070959035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770312
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-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: 7965.3 lumens
Efficiency: N/A
Efficacy: 119.6 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

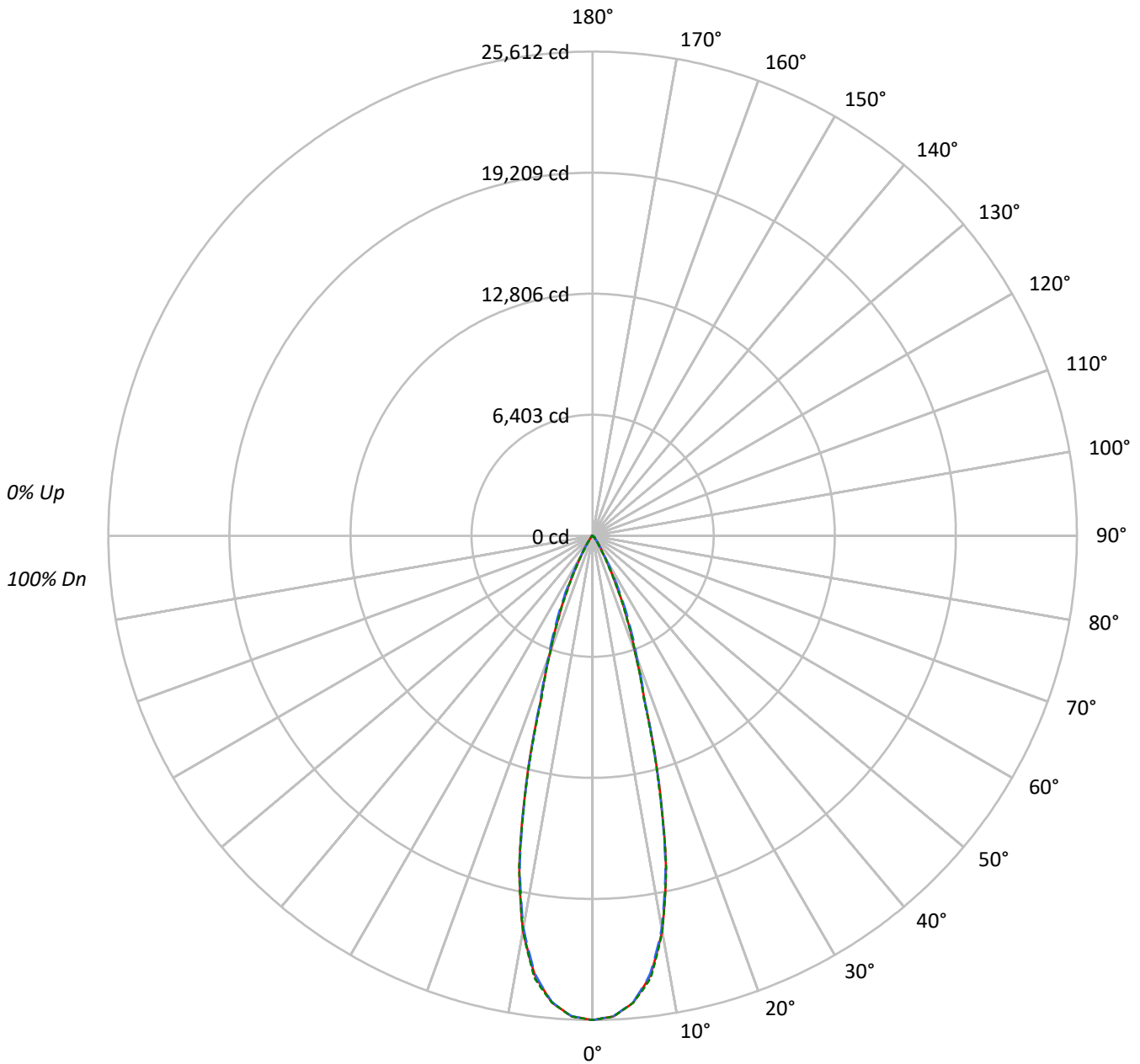


Downlight

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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°	1960452	1960452	1960452
5°	1904175	1901954	1904267
10°	1649300	1637672	1648911
15°	1076088	1070311	1064930
20°	535091	555162	534374
25°	269542	303950	264019
30°	107918	117587	94024
35°	50057	47945	40190
40°	21613	24001	20354
45°	15241	18922	15382
50°	5240	13778	5537
55°	3016	5712	3189
60°	2113	2495	2113
65°	1358	1358	1358
70°	850	559	850
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18922 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2252.2	28.3
10°-20°	3627.2	45.5
20°-30°	1567.4	19.7
30°-40°	357.2	4.5
40°-50°	122.7	1.5
50°-60°	30.0	0.4
60°-70°	7.8	0.1
70°-80°	0.8	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°	7446.8	93.5
0°-40°	7804.1	98.0
0°-60°	7956.7	99.9
0°-90°	7965.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7965.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25612	25612	25612	25612	25612	
5°	24782	24758	24754	24805	24784	2254
15°	13580	13416	13507	13463	13439	3636
25°	3192	3312	3599	3228	3126	1528
35°	536	547	513	509	430	363
45°	141	175	175	175	142	100
55°	23	24	43	25	24	22
65°	8	8	8	8	8	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°	25612.3	25612.3	25612.3	25612.3	25612.3
2.5°	25442.6	25425.0	25435.0	25447.6	25452.6
5°	24782.4	24758.5	24753.5	24805.0	24783.6
7.5°	23450.7	23416.8	23365.2	23482.2	23591.6
10°	21219.9	21182.2	21070.3	21125.6	21214.9
12.5°	17926.6	17804.6	17802.1	17978.2	17954.3
15°	13579.5	13416.0	13506.6	13462.6	13438.7
17.5°	9131.8	9068.9	9189.7	9153.2	8996.0
20°	6569.1	6585.4	6815.5	6699.8	6560.3
22.5°	4793.5	4852.6	5125.5	4827.5	4718.1
25°	3191.5	3312.2	3598.9	3227.9	3126.1
27.5°	1962.9	2018.3	2308.7	1937.8	1882.4
30°	1221.0	1193.3	1330.4	1141.8	1063.8
32.5°	801.0	765.8	809.8	726.8	663.9
35°	535.7	547.0	513.1	509.3	430.1
37.5°	334.5	384.8	339.5	362.2	276.6
40°	216.3	279.2	240.2	265.3	203.7
42.5°	177.3	215.0	197.4	210.0	181.1
45°	140.8	174.8	174.8	174.8	142.1
47.5°	78.0	116.9	149.6	119.5	83.0
50°	44.0	59.1	115.7	61.6	46.5
52.5°	30.2	34.0	79.2	35.2	31.4
55°	22.6	23.9	42.8	25.1	23.9
57.5°	17.6	18.9	22.6	18.9	17.6
60°	13.8	13.8	16.3	15.1	13.8
62.5°	10.1	10.1	11.3	10.1	10.1
65°	7.5	7.5	7.5	7.5	7.5
67.5°	3.8	5.0	5.0	5.0	5.0
70°	3.8	2.5	2.5	2.5	3.8
72.5°	2.5	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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