

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: P773419

Luminaire Tested: LD6D90BD010-EU6DR3070959030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773419
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: LD6D90BD010-EU6DR3070959030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10659.5 lumens
Efficiency: N/A
Efficacy: 107.8 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): 98.9
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

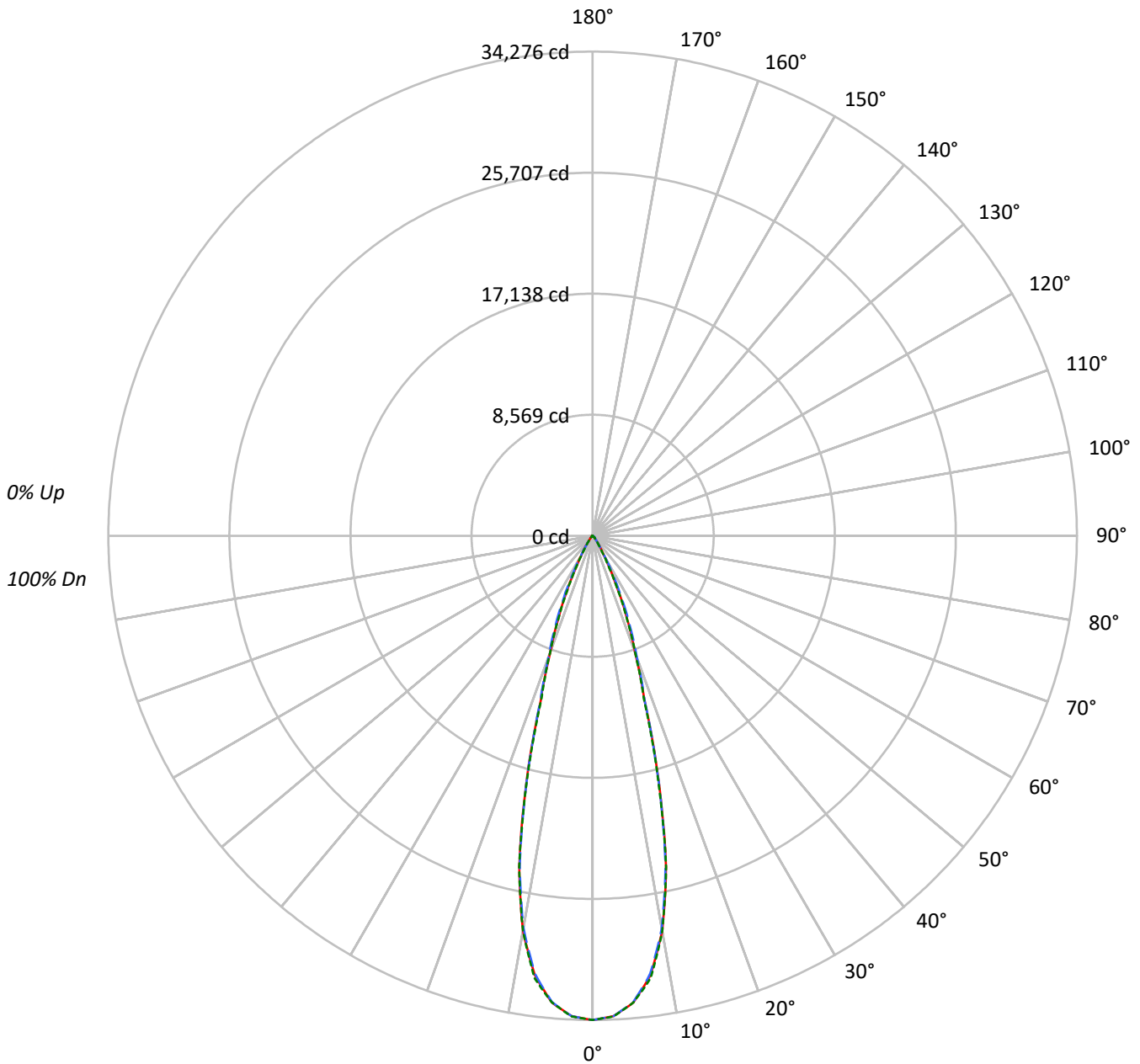


Downlight

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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						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°	2623563	2623563	2623563
5°	2548243	2545270	2548374
10°	2207165	2191605	2206644
15°	1440069	1432335	1425132
20°	716078	742942	715117
25°	360713	406758	353323
30°	144421	157360	125833
35°	66989	64157	53776
40°	28917	32114	27238
45°	20405	25319	20589
50°	7014	18434	7419
55°	4044	7633	4270
60°	2832	3353	2832
65°	1829	1829	1829
70°	1119	761	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 25319 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3014.0	28.3
10°-20°	4854.1	45.5
20°-30°	2097.6	19.7
30°-40°	478.1	4.5
40°-50°	164.2	1.5
50°-60°	40.1	0.4
60°-70°	10.4	0.1
70°-80°	1.1	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°	9965.7	93.5
0°-40°	10443.8	98.0
0°-60°	10648.0	99.9
0°-90°	10659.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10659.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34276	34276	34276	34276	34276	
5°	33165	33133	33126	33195	33166	3016
15°	18173	17954	18075	18016	17984	4866
25°	4271	4432	4816	4320	4184	2044
35°	717	732	687	682	576	486
45°	188	234	234	234	190	134
55°	30	32	57	34	32	30
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
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°	34275.5	34275.5	34275.5	34275.5	34275.5
2.5°	34048.3	34024.7	34038.2	34055.0	34061.8
5°	33164.8	33132.8	33126.1	33195.1	33166.5
7.5°	31382.7	31337.3	31268.3	31424.8	31571.2
10°	28397.4	28346.9	28197.2	28271.2	28390.7
12.5°	23990.1	23826.9	23823.5	24059.1	24027.2
15°	18172.7	17953.9	18075.1	18016.2	17984.2
17.5°	12220.6	12136.4	12298.0	12249.2	12038.8
20°	8791.0	8812.9	9120.8	8966.0	8779.2
22.5°	6414.9	6494.0	6859.1	6460.3	6313.9
25°	4271.0	4432.5	4816.2	4319.8	4183.5
27.5°	2626.9	2700.9	3089.6	2593.2	2519.2
30°	1634.0	1597.0	1780.4	1528.0	1423.7
32.5°	1072.0	1024.8	1083.7	972.7	888.5
35°	716.9	732.0	686.6	681.5	575.5
37.5°	447.6	514.9	454.4	484.6	370.2
40°	289.4	373.6	321.4	355.1	272.6
42.5°	237.3	287.8	264.2	281.0	242.3
45°	188.5	233.9	233.9	233.9	190.2
47.5°	104.3	156.5	200.3	159.9	111.1
50°	58.9	79.1	154.8	82.5	62.3
52.5°	40.4	45.4	106.0	47.1	42.1
55°	30.3	32.0	57.2	33.7	32.0
57.5°	23.6	25.2	30.3	25.2	23.6
60°	18.5	18.5	21.9	20.2	18.5
62.5°	13.5	13.5	15.1	13.5	13.5
65°	10.1	10.1	10.1	10.1	10.1
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.4	3.4	3.4	5.0
72.5°	3.4	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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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