

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: P773445

Luminaire Tested: LD6D90BD010-EU6DR3070959040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773445
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-EU6DR3070959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11275.4 lumens
Efficiency: N/A
Efficacy: 114.0 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

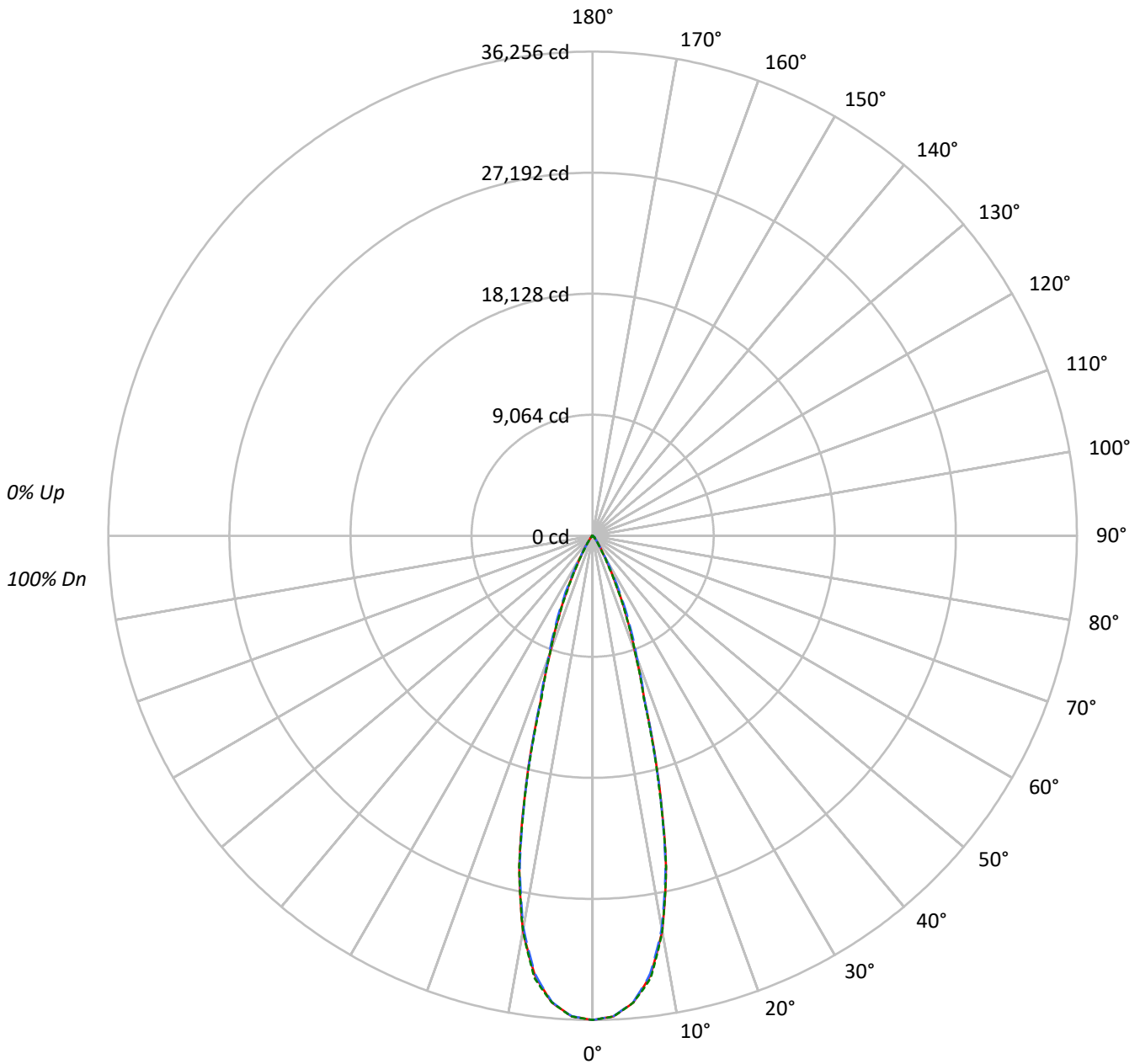


Downlight

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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°	2775142	2775142	2775142
5°	2695476	2692333	2695614
10°	2334695	2318225	2334135
15°	1523267	1515089	1507474
20°	757449	785869	756439
25°	381548	430263	373736
30°	152764	166455	133099
35°	70857	67867	56888
40°	30596	33973	28817
45°	21585	26781	21769
50°	7419	19505	7847
55°	4270	8074	4511
60°	3001	3536	3001
65°	1938	1938	1938
70°	1186	806	1186
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 26781 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3188.2	28.3
10°-20°	5134.5	45.5
20°-30°	2218.8	19.7
30°-40°	505.7	4.5
40°-50°	173.6	1.5
50°-60°	42.4	0.4
60°-70°	11.0	0.1
70°-80°	1.2	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°	10541.5	93.5
0°-40°	11047.2	98.0
0°-60°	11263.2	99.9
0°-90°	11275.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11275.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36256	36256	36256	36256	36256	
5°	35081	35047	35040	35113	35083	3191
15°	19223	18991	19119	19057	19023	5147
25°	4518	4689	5094	4569	4425	2162
35°	758	774	726	721	609	514
45°	199	247	247	247	201	142
55°	32	34	60	36	34	31
65°	11	11	11	11	11	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°	36255.8	36255.8	36255.8	36255.8	36255.8
2.5°	36015.5	35990.6	36004.9	36022.7	36029.8
5°	35081.0	35047.2	35040.1	35113.1	35082.8
7.5°	33196.0	33147.9	33074.9	33240.5	33395.3
10°	30038.2	29984.8	29826.3	29904.7	30031.0
12.5°	25376.2	25203.6	25200.0	25449.2	25415.4
15°	19222.6	18991.2	19119.4	19057.1	19023.3
17.5°	12926.6	12837.6	13008.5	12956.9	12734.4
20°	9298.9	9322.1	9647.8	9484.0	9286.5
22.5°	6785.5	6869.2	7255.4	6833.6	6678.7
25°	4517.7	4688.6	5094.5	4569.4	4425.2
27.5°	2778.6	2857.0	3268.2	2743.0	2664.7
30°	1728.4	1689.3	1883.3	1616.3	1505.9
32.5°	1133.9	1084.0	1146.3	1028.9	939.9
35°	758.3	774.3	726.3	720.9	608.8
37.5°	473.5	544.7	480.6	512.7	391.6
40°	306.2	395.2	340.0	375.6	288.4
42.5°	251.0	304.4	279.5	297.3	256.3
45°	199.4	247.4	247.4	247.4	201.1
47.5°	110.4	165.5	211.8	169.1	117.5
50°	62.3	83.7	163.8	87.2	65.9
52.5°	42.7	48.1	112.1	49.8	44.5
55°	32.0	33.8	60.5	35.6	33.8
57.5°	24.9	26.7	32.0	26.7	24.9
60°	19.6	19.6	23.1	21.4	19.6
62.5°	14.2	14.2	16.0	14.2	14.2
65°	10.7	10.7	10.7	10.7	10.7
67.5°	5.3	7.1	7.1	7.1	7.1
70°	5.3	3.6	3.6	3.6	5.3
72.5°	3.6	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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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