

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: P774243

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774243
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: LD6D95BD010-EU6DR3070959050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12855.8 lumens
Efficiency: N/A
Efficacy: 129.6 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): 99.2
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

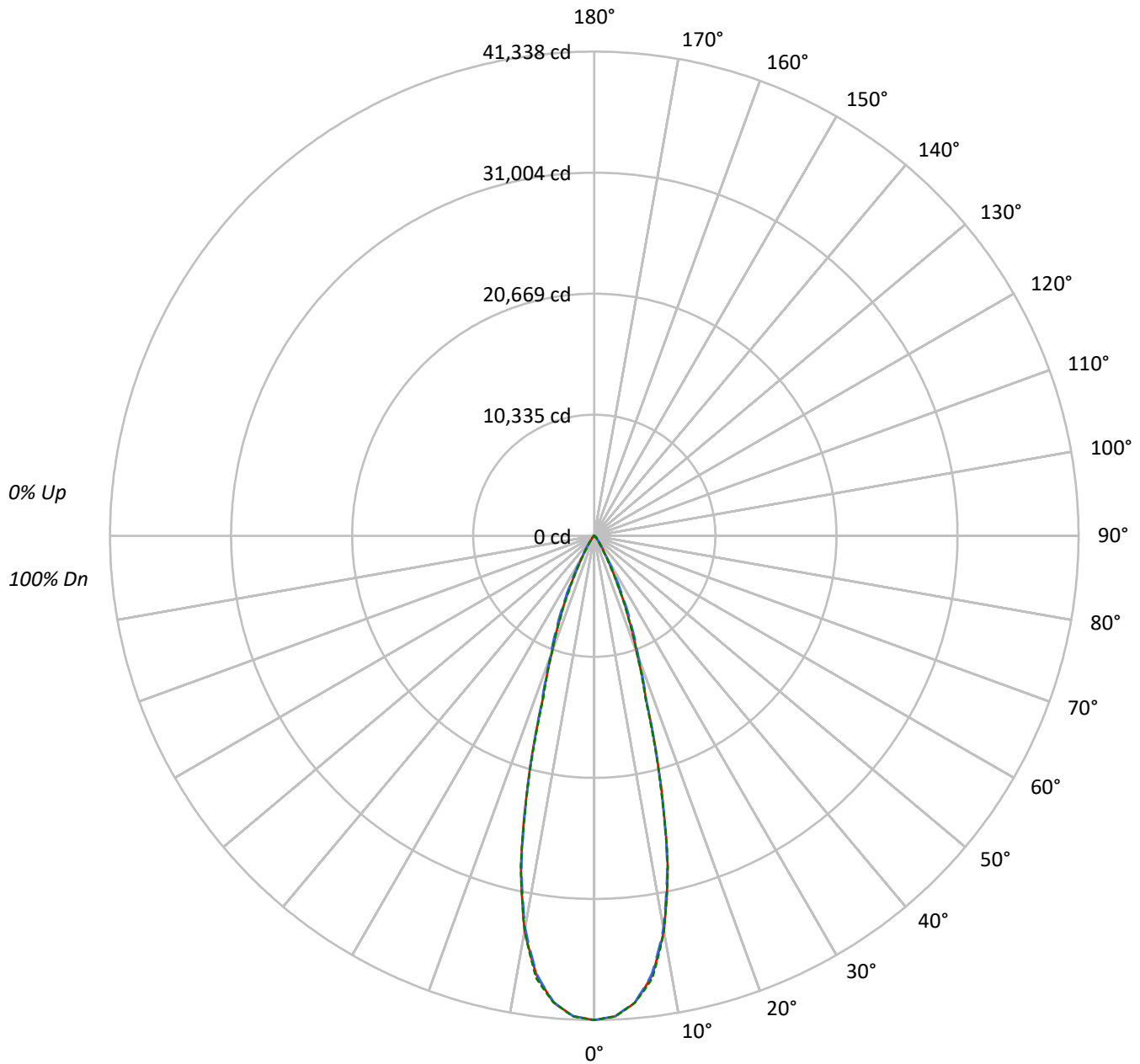


Downlight

TEST NUMBER: P774243

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	98	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	94	89	86	98	93	89	86	91	88	85		90	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	94	87	82	79	92	86	82	79	85	81	78		84	81	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3164113	3164113	3164113
5°	3073277	3069697	3073439
10°	2661930	2643159	2661300
15°	1736773	1727446	1718761
20°	863619	896022	862462
25°	435034	490564	426116
30°	174180	189780	151757
35°	80790	77370	64858
40°	34882	38729	32854
45°	24605	30537	24821
50°	8455	22232	8943
55°	4871	9208	5151
60°	3414	4041	3414
65°	2210	2210	2210
70°	1365	918	1365
75°	0	591	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 30537 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3635.0	28.3
10°-20°	5854.2	45.5
20°-30°	2529.8	19.7
30°-40°	576.6	4.5
40°-50°	198.0	1.5
50°-60°	48.4	0.4
60°-70°	12.5	0.1
70°-80°	1.3	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°	12019.0	93.5
0°-40°	12595.6	98.0
0°-60°	12841.9	99.9
0°-90°	12855.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12855.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	41338	41338	41338	41338	41338	
5°	39998	39960	39951	40035	40000	3638
15°	21917	21653	21799	21728	21690	5869
25°	5151	5346	5808	5210	5045	2466
35°	865	883	828	822	694	586
45°	227	282	282	282	229	161
55°	36	39	69	41	39	36
65°	12	12	12	12	12	12
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	41337.5	41337.5	41337.5	41337.5	41337.5
2.5°	41063.5	41035.1	41051.4	41071.7	41079.8
5°	39998.0	39959.5	39951.4	40034.6	40000.1
7.5°	37848.8	37794.0	37710.8	37899.5	38076.1
10°	34248.4	34187.5	34006.9	34096.2	34240.3
12.5°	28933.0	28736.2	28732.1	29016.2	28977.7
15°	21916.9	21653.1	21799.2	21728.2	21689.6
17.5°	14738.5	14637.0	14831.8	14773.0	14519.3
20°	10602.3	10628.7	11000.1	10813.4	10588.1
22.5°	7736.6	7832.0	8272.4	7791.4	7614.8
25°	5151.0	5345.8	5808.5	5209.8	5045.4
27.5°	3168.1	3257.4	3726.2	3127.5	3038.2
30°	1970.7	1926.0	2147.2	1842.8	1717.0
32.5°	1292.8	1236.0	1307.0	1173.1	1071.6
35°	864.6	882.8	828.0	822.0	694.1
37.5°	539.9	621.0	548.0	584.5	446.5
40°	349.1	450.6	387.6	428.2	328.8
42.5°	286.2	347.1	318.6	338.9	292.3
45°	227.3	282.1	282.1	282.1	229.3
47.5°	125.8	188.7	241.5	192.8	133.9
50°	71.0	95.4	186.7	99.4	75.1
52.5°	48.7	54.8	127.9	56.8	50.7
55°	36.5	38.6	69.0	40.6	38.6
57.5°	28.4	30.4	36.5	30.4	28.4
60°	22.3	22.3	26.4	24.4	22.3
62.5°	16.2	16.2	18.3	16.2	16.2
65°	12.2	12.2	12.2	12.2	12.2
67.5°	6.1	8.1	8.1	8.1	8.1
70°	6.1	4.1	4.1	4.1	6.1
72.5°	4.1	2.0	2.0	2.0	2.0
75°	0.0	0.0	2.0	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



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)