

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: P774202

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774202
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-EU6DR3070959030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10775.3 lumens
Efficiency: N/A
Efficacy: 108.6 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

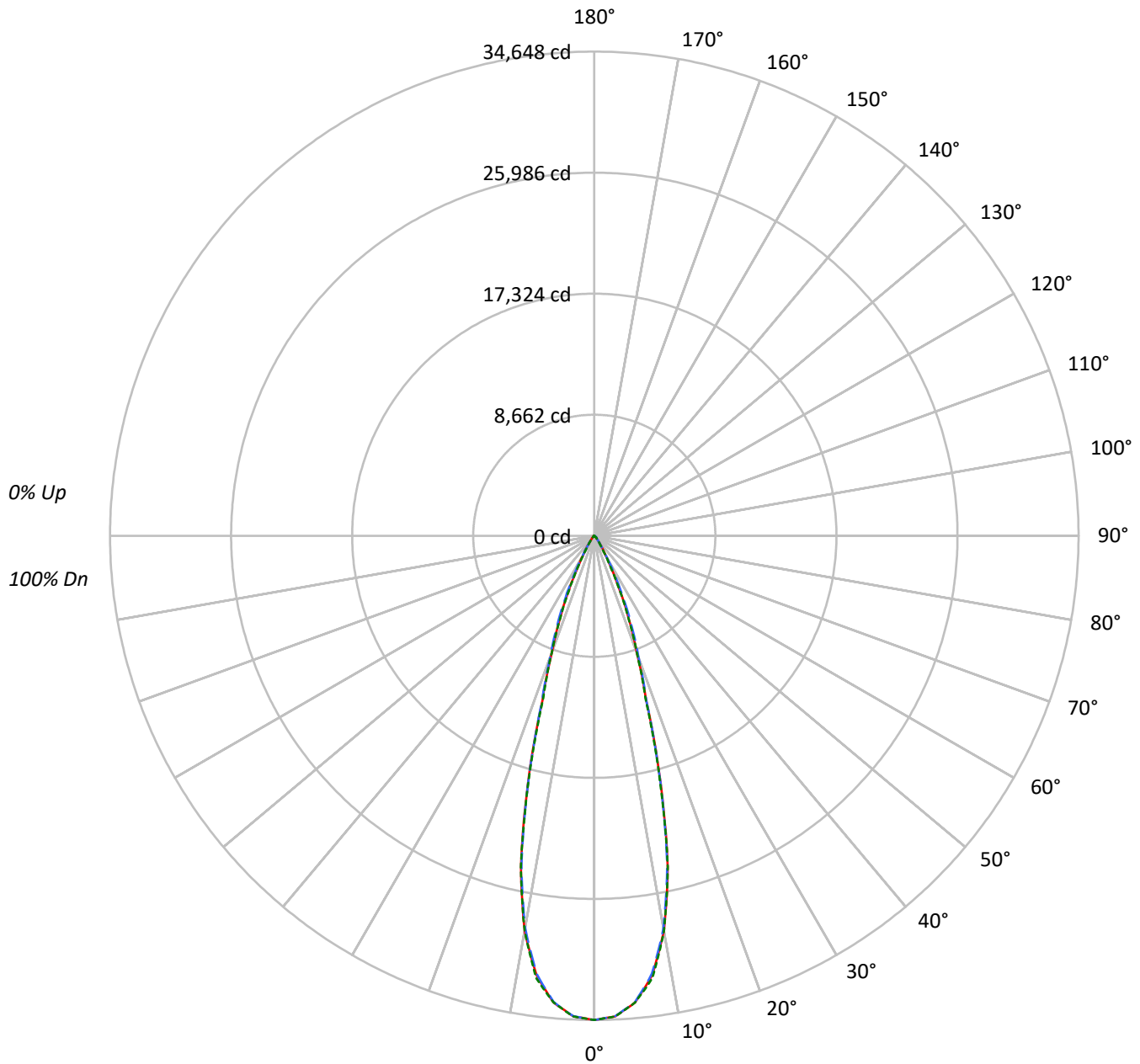


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2652068	2652068	2652068
5°	2575935	2572931	2576065
10°	2231151	2215420	2230622
15°	1455712	1447899	1440616
20°	723857	751014	722887
25°	364632	411175	357157
30°	145994	159075	127194
35°	67718	64849	54365
40°	29237	32464	27538
45°	20621	25601	20805
50°	7085	18636	7490
55°	4084	7713	4310
60°	2863	3383	2863
65°	1847	1847	1847
70°	1141	761	1141
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 25601 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3046.8	28.3
10°-20°	4906.8	45.5
20°-30°	2120.4	19.7
30°-40°	483.3	4.5
40°-50°	165.9	1.5
50°-60°	40.5	0.4
60°-70°	10.5	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°	10074.0	93.5
0°-40°	10557.2	98.0
0°-60°	10763.7	99.9
0°-90°	10775.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10775.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34648	34648	34648	34648	34648	
5°	33525	33493	33486	33556	33527	3049
15°	18370	18149	18272	18212	18180	4919
25°	4317	4481	4868	4367	4229	2067
35°	725	740	694	689	582	492
45°	190	236	236	236	192	135
55°	31	32	58	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	34647.9	34647.9	34647.9	34647.9	34647.9
2.5°	34418.3	34394.5	34408.1	34425.1	34431.9
5°	33525.2	33492.9	33486.1	33555.8	33526.9
7.5°	31723.8	31677.8	31608.1	31766.3	31914.3
10°	28706.0	28655.0	28503.6	28578.4	28699.2
12.5°	24250.8	24085.8	24082.4	24320.6	24288.3
15°	18370.1	18149.0	18271.5	18211.9	18179.6
17.5°	12353.4	12268.3	12431.6	12382.3	12169.7
20°	8886.5	8908.6	9219.9	9063.4	8874.6
22.5°	6484.6	6564.5	6933.7	6530.5	6382.5
25°	4317.4	4480.7	4868.5	4366.7	4228.9
27.5°	2655.4	2730.3	3123.2	2621.4	2546.5
30°	1651.8	1614.3	1799.8	1544.6	1439.1
32.5°	1083.6	1036.0	1095.5	983.2	898.2
35°	724.7	740.0	694.0	688.9	581.8
37.5°	452.5	520.5	459.3	489.9	374.2
40°	292.6	377.6	324.9	358.9	275.6
42.5°	239.9	290.9	267.1	284.1	245.0
45°	190.5	236.5	236.5	236.5	192.2
47.5°	105.5	158.2	202.4	161.6	112.3
50°	59.5	80.0	156.5	83.4	62.9
52.5°	40.8	45.9	107.2	47.6	42.5
55°	30.6	32.3	57.8	34.0	32.3
57.5°	23.8	25.5	30.6	25.5	23.8
60°	18.7	18.7	22.1	20.4	18.7
62.5°	13.6	13.6	15.3	13.6	13.6
65°	10.2	10.2	10.2	10.2	10.2
67.5°	5.1	6.8	6.8	6.8	6.8
70°	5.1	3.4	3.4	3.4	5.1
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)