

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: P774217

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774217
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-EU6DR3070959035-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 12194.5 lumens
Efficiency: N/A
Efficacy: 122.9 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 (Ain): 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

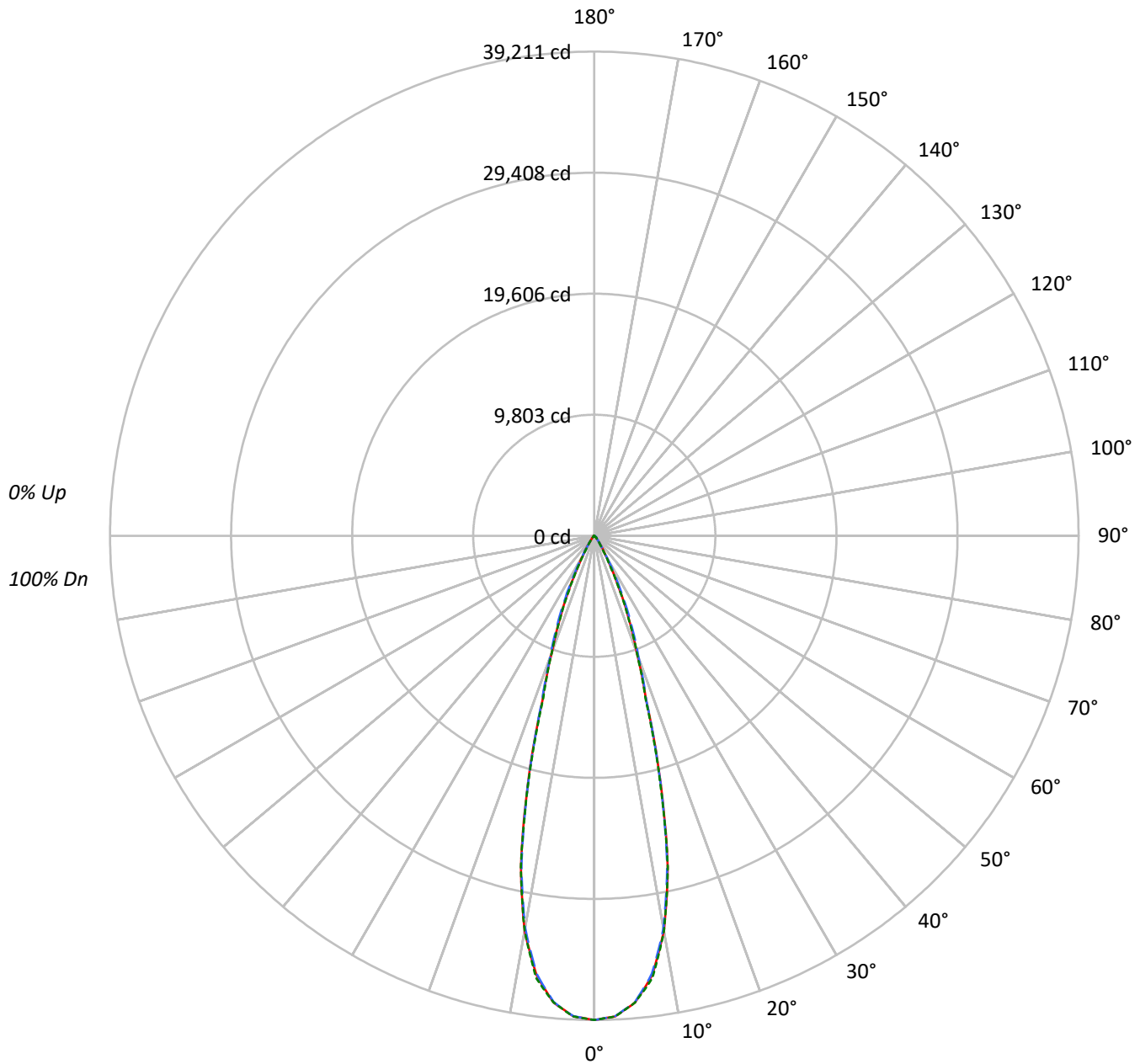


Downlight

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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°	3001358	3001358	3001358
5°	2915196	2911792	2915342
10°	2525003	2507196	2524404
15°	1647434	1638590	1630349
20°	819193	849926	818093
25°	412653	465329	404199
30°	165218	180022	143952
35°	76632	73399	61522
40°	33084	36741	31165
45°	23338	28967	23544
50°	8026	21089	8479
55°	4631	8741	4884
60°	3245	3827	3245
65°	2101	2101	2101
70°	1298	873	1298
75°	0	562	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 28967 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3448.0	28.3
10°-20°	5553.1	45.5
20°-30°	2399.6	19.7
30°-40°	546.9	4.5
40°-50°	187.8	1.5
50°-60°	45.9	0.4
60°-70°	11.9	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°	11400.7	93.5
0°-40°	11947.7	98.0
0°-60°	12181.3	99.9
0°-90°	12194.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12194.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39211	39211	39211	39211	39211	
5°	37941	37904	37896	37975	37942	3451
15°	20790	20539	20678	20610	20574	5567
25°	4886	5071	5510	4942	4786	2339
35°	820	837	786	780	658	556
45°	216	268	268	268	218	153
55°	35	37	66	38	37	34
65°	12	12	12	12	12	11
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°	39211.2	39211.2	39211.2	39211.2	39211.2
2.5°	38951.3	38924.3	38939.7	38959.0	38966.7
5°	37940.6	37904.0	37896.3	37975.2	37942.5
7.5°	35901.8	35849.9	35770.9	35950.0	36117.5
10°	32486.7	32428.9	32257.6	32342.3	32479.0
12.5°	27444.7	27258.0	27254.1	27523.7	27487.1
15°	20789.5	20539.3	20677.9	20610.5	20573.9
17.5°	13980.3	13884.1	14068.9	14013.1	13772.4
20°	10056.9	10081.9	10434.2	10257.1	10043.4
22.5°	7338.6	7429.1	7846.9	7390.6	7223.1
25°	4886.0	5070.8	5509.7	4941.8	4785.9
27.5°	3005.1	3089.8	3534.5	2966.6	2881.9
30°	1869.3	1827.0	2036.8	1748.0	1628.7
32.5°	1226.3	1172.4	1239.8	1112.7	1016.5
35°	820.1	837.4	785.5	779.7	658.4
37.5°	512.1	589.1	519.8	554.4	423.5
40°	331.1	427.4	367.7	406.2	311.9
42.5°	271.4	329.2	302.2	321.5	277.2
45°	215.6	267.6	267.6	267.6	217.5
47.5°	119.4	179.0	229.1	182.9	127.1
50°	67.4	90.5	177.1	94.3	71.2
52.5°	46.2	52.0	121.3	53.9	48.1
55°	34.7	36.6	65.5	38.5	36.6
57.5°	27.0	28.9	34.7	28.9	27.0
60°	21.2	21.2	25.0	23.1	21.2
62.5°	15.4	15.4	17.3	15.4	15.4
65°	11.6	11.6	11.6	11.6	11.6
67.5°	5.8	7.7	7.7	7.7	7.7
70°	5.8	3.9	3.9	3.9	5.8
72.5°	3.9	1.9	1.9	1.9	1.9
75°	0.0	0.0	1.9	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)