

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: P774242

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774242
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-EU6DR3070959050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 12243.6 lumens
Efficiency: N/A
Efficacy: 123.4 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

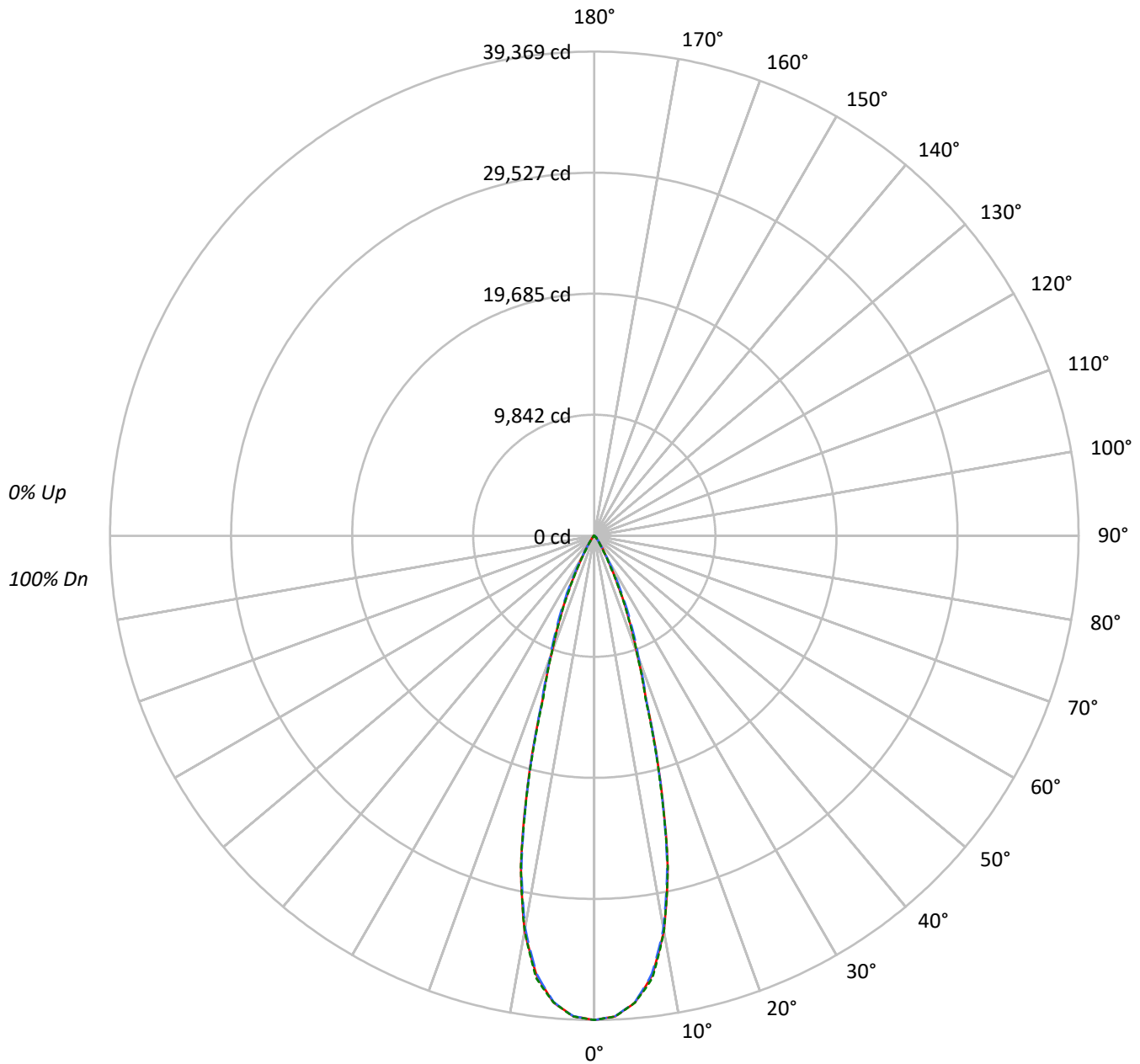


Downlight

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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°	3013445	3013445	3013445
5°	2926936	2923517	2927082
10°	2535169	2517293	2534571
15°	1654074	1645191	1636918
20°	822492	853355	821392
25°	414317	467204	405829
30°	165880	180747	144527
35°	76940	73689	61765
40°	33224	36891	31285
45°	23436	29086	23642
50°	8062	21172	8514
55°	4644	8768	4898
60°	3261	3842	3261
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: 29086 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3461.9	28.3
10°-20°	5575.4	45.5
20°-30°	2409.3	19.7
30°-40°	549.1	4.5
40°-50°	188.5	1.5
50°-60°	46.1	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°	11446.7	93.5
0°-40°	11995.8	98.0
0°-60°	12230.4	99.9
0°-90°	12243.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12243.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39369	39369	39369	39369	39369	
5°	38093	38057	38049	38128	38095	3465
15°	20873	20622	20761	20694	20657	5589
25°	4906	5091	5532	4962	4805	2348
35°	823	841	789	783	661	559
45°	216	269	269	269	218	154
55°	35	37	66	39	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°	39369.1	39369.1	39369.1	39369.1	39369.1
2.5°	39108.1	39081.1	39096.5	39115.9	39123.6
5°	38093.4	38056.6	38048.9	38128.2	38095.3
7.5°	36046.4	35994.3	35915.0	36094.8	36262.9
10°	32617.5	32559.5	32387.5	32472.5	32609.8
12.5°	27555.3	27367.8	27363.9	27634.5	27597.8
15°	20873.3	20622.0	20761.2	20693.5	20656.8
17.5°	14036.6	13940.0	14125.6	14069.5	13827.9
20°	10097.4	10122.5	10476.3	10298.4	10083.9
22.5°	7368.2	7459.0	7878.5	7420.4	7252.2
25°	4905.7	5091.2	5531.9	4961.7	4805.2
27.5°	3017.2	3102.3	3548.8	2978.6	2893.5
30°	1876.8	1834.3	2045.0	1755.1	1635.2
32.5°	1231.3	1177.1	1244.8	1117.2	1020.6
35°	823.4	840.8	788.6	782.8	661.0
37.5°	514.1	591.5	521.9	556.7	425.2
40°	332.5	429.1	369.2	407.8	313.1
42.5°	272.5	330.5	303.5	322.8	278.3
45°	216.5	268.7	268.7	268.7	218.4
47.5°	119.8	179.8	230.0	183.6	127.6
50°	67.7	90.8	177.8	94.7	71.5
52.5°	46.4	52.2	121.8	54.1	48.3
55°	34.8	36.7	65.7	38.7	36.7
57.5°	27.1	29.0	34.8	29.0	27.1
60°	21.3	21.3	25.1	23.2	21.3
62.5°	15.5	15.5	17.4	15.5	15.5
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)