

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: P774239

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774239
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-EU6DR3070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 12213.0 lumens
Efficiency: N/A
Efficacy: 123.1 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

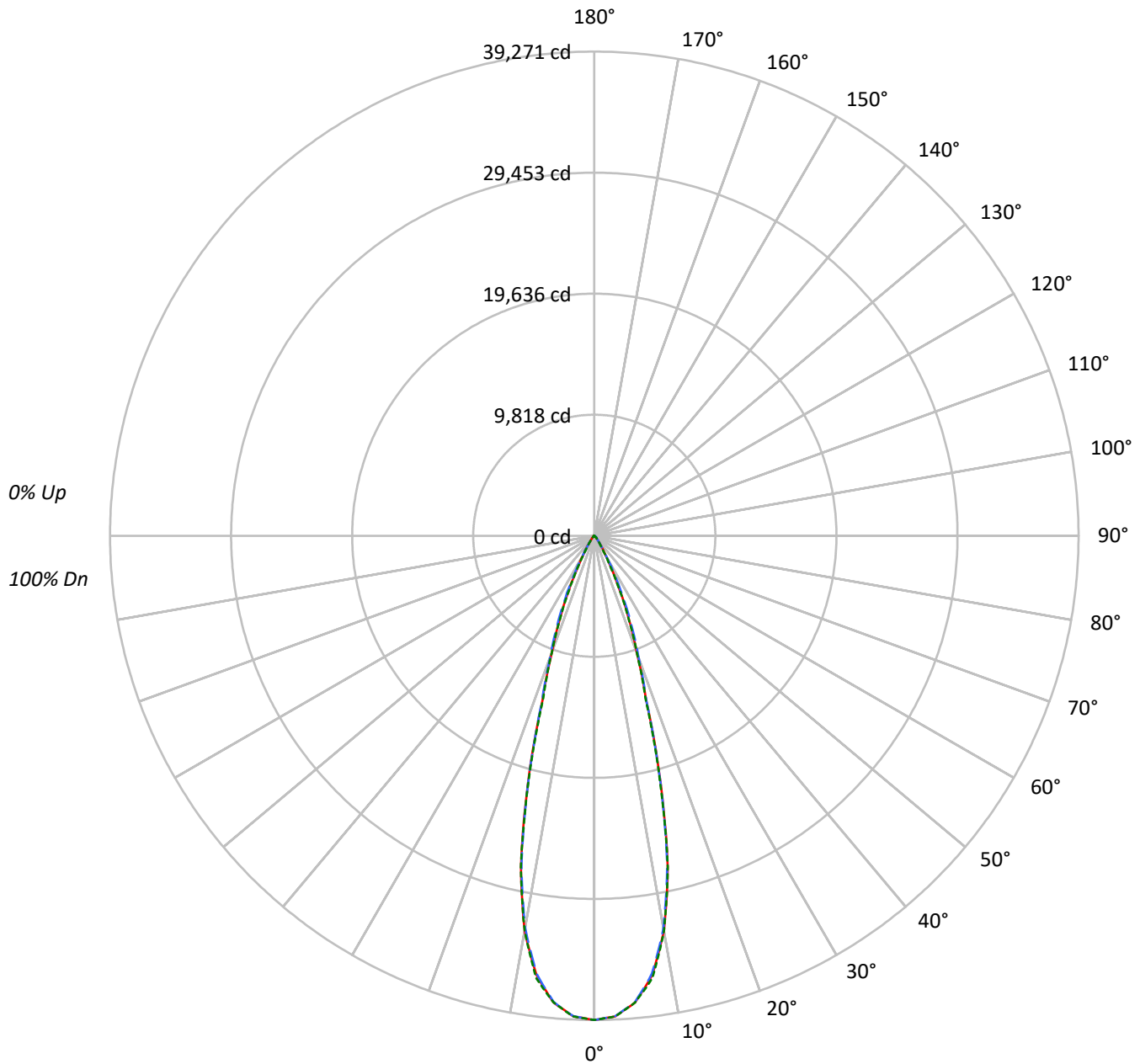


Downlight

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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					0
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°	3005913	3005913	3005913
5°	2919614	2916210	2919767
10°	2528835	2510997	2528228
15°	1649938	1641079	1632821
20°	820439	851221	819339
25°	413278	466038	404807
30°	165465	180296	144164
35°	76753	73502	61616
40°	33134	36801	31205
45°	23371	29011	23587
50°	8038	21125	8490
55°	4631	8754	4884
60°	3245	3842	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: 29011 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3453.3	28.3
10°-20°	5561.5	45.5
20°-30°	2403.3	19.7
30°-40°	547.8	4.5
40°-50°	188.1	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°	11418.0	93.5
0°-40°	11965.8	98.0
0°-60°	12199.8	99.9
0°-90°	12213.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12213.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39271	39271	39271	39271	39271	
5°	37998	37962	37954	38033	38000	3456
15°	20821	20570	20709	20642	20605	5575
25°	4893	5078	5518	4949	4793	2342
35°	821	839	787	781	659	557
45°	216	268	268	268	218	153
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°	39270.7	39270.7	39270.7	39270.7	39270.7
2.5°	39010.4	38983.4	38998.8	39018.1	39025.8
5°	37998.1	37961.5	37953.8	38032.8	38000.1
7.5°	35956.3	35904.3	35825.2	36004.5	36172.3
10°	32536.0	32478.1	32306.5	32391.3	32528.2
12.5°	27486.4	27299.4	27295.5	27565.4	27528.8
15°	20821.1	20570.4	20709.3	20641.8	20605.1
17.5°	14001.5	13905.1	14090.2	14034.3	13793.3
20°	10072.2	10097.2	10450.1	10272.7	10058.7
22.5°	7349.8	7440.4	7858.8	7401.8	7234.1
25°	4893.4	5078.5	5518.1	4949.3	4793.1
27.5°	3009.7	3094.5	3539.9	2971.1	2886.3
30°	1872.1	1829.7	2039.9	1750.7	1631.1
32.5°	1228.2	1174.2	1241.7	1114.4	1018.0
35°	821.4	838.7	786.6	780.9	659.4
37.5°	512.9	590.0	520.6	555.3	424.2
40°	331.6	428.0	368.3	406.8	312.3
42.5°	271.9	329.7	302.7	322.0	277.6
45°	215.9	268.0	268.0	268.0	217.9
47.5°	119.5	179.3	229.4	183.2	127.3
50°	67.5	90.6	177.4	94.5	71.3
52.5°	46.3	52.1	121.5	54.0	48.2
55°	34.7	36.6	65.6	38.6	36.6
57.5°	27.0	28.9	34.7	28.9	27.0
60°	21.2	21.2	25.1	23.1	21.2
62.5°	15.4	15.4	17.4	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)