

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: P774200

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774200
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-EU6DR3070959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11464.0 lumens
Efficiency: N/A
Efficacy: 115.6 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 (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

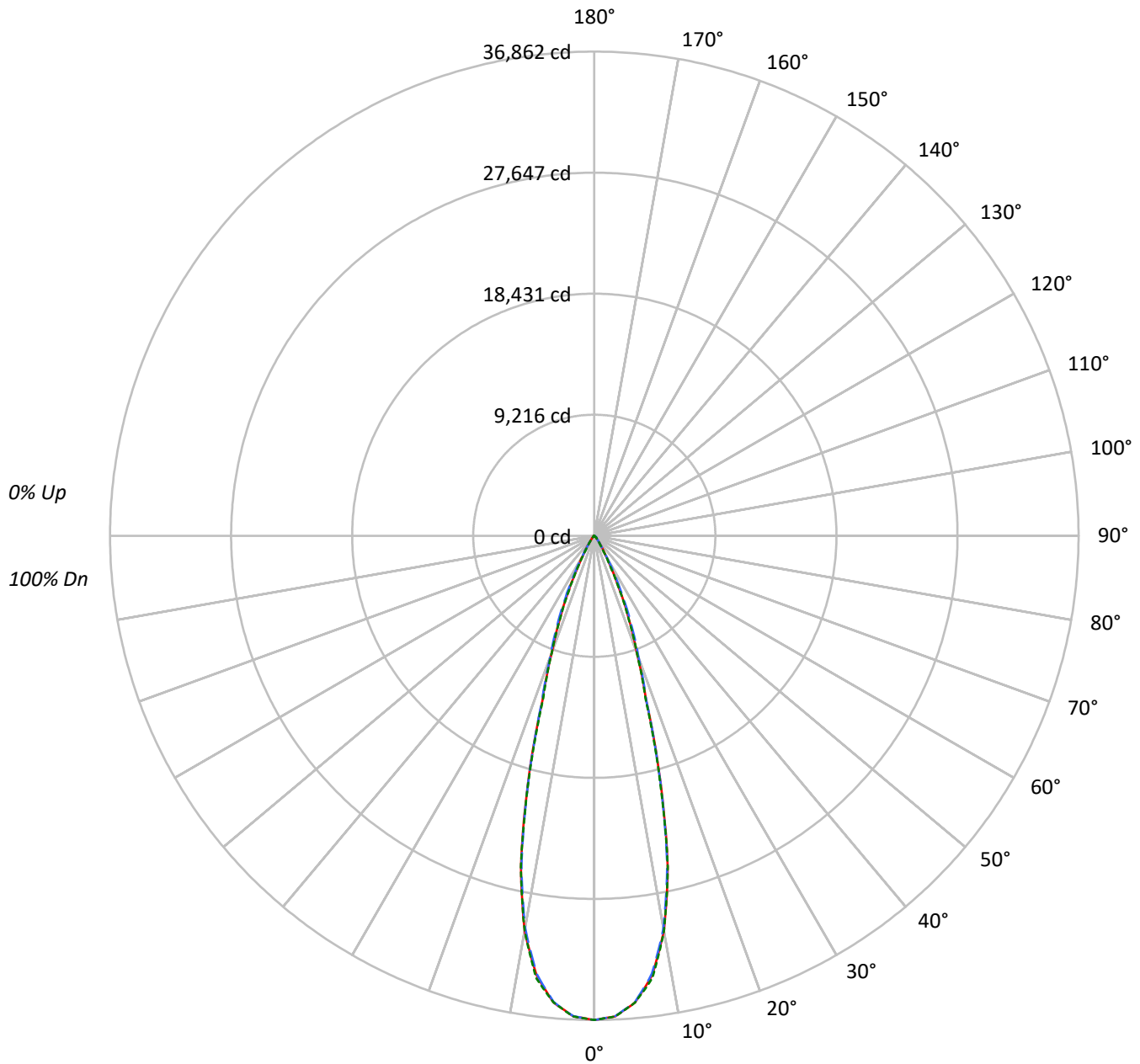


Downlight

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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92		
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89		
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85		
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82		
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79		
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77		
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74		
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72		
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2821566	2821566	2821566
5°	2740563	2737367	2740702
10°	2373744	2357010	2373184
15°	1548752	1540431	1532689
20°	770124	799016	769089
25°	387933	437458	379986
30°	155318	169239	135326
35°	72044	68998	57841
40°	31105	34542	29297
45°	21942	27235	22137
50°	7538	19827	7978
55°	4350	8207	4591
60°	3046	3598	3046
65°	1974	1974	1974
70°	1209	806	1209
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 27235 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3241.5	28.3
10°-20°	5220.4	45.5
20°-30°	2255.9	19.7
30°-40°	514.2	4.5
40°-50°	176.5	1.5
50°-60°	43.1	0.4
60°-70°	11.2	0.1
70°-80°	1.2	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°	10717.8	93.5
0°-40°	11232.0	98.0
0°-60°	11451.6	99.9
0°-90°	11464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36862	36862	36862	36862	36862	
5°	35668	35634	35626	35700	35670	3244
15°	19544	19309	19439	19376	19342	5233
25°	4593	4767	5180	4646	4499	2199
35°	771	787	738	733	619	523
45°	203	252	252	252	204	144
55°	33	34	62	36	34	32
65°	11	11	11	11	11	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°	36862.3	36862.3	36862.3	36862.3	36862.3
2.5°	36618.0	36592.7	36607.1	36625.2	36632.5
5°	35667.8	35633.5	35626.2	35700.4	35669.6
7.5°	33751.2	33702.4	33628.2	33796.5	33953.9
10°	30540.6	30486.3	30325.3	30404.9	30533.4
12.5°	25800.7	25625.2	25621.6	25874.9	25840.5
15°	19544.2	19308.9	19439.2	19375.9	19341.5
17.5°	13142.9	13052.4	13226.1	13173.6	12947.4
20°	9454.5	9478.0	9809.2	9642.7	9441.8
22.5°	6899.0	6984.1	7376.8	6947.9	6790.4
25°	4593.3	4767.1	5179.7	4645.8	4499.2
27.5°	2825.1	2904.8	3322.8	2788.9	2709.3
30°	1757.3	1717.5	1914.8	1643.3	1531.1
32.5°	1152.9	1102.2	1165.5	1046.1	955.6
35°	771.0	787.3	738.4	733.0	619.0
37.5°	481.4	553.8	488.7	521.2	398.2
40°	311.3	401.8	345.7	381.9	293.2
42.5°	255.2	309.5	284.1	302.2	260.6
45°	202.7	251.6	251.6	251.6	204.5
47.5°	112.2	168.3	215.4	171.9	119.4
50°	63.3	85.1	166.5	88.7	67.0
52.5°	43.4	48.9	114.0	50.7	45.2
55°	32.6	34.4	61.5	36.2	34.4
57.5°	25.3	27.1	32.6	27.1	25.3
60°	19.9	19.9	23.5	21.7	19.9
62.5°	14.5	14.5	16.3	14.5	14.5
65°	10.9	10.9	10.9	10.9	10.9
67.5°	5.4	7.2	7.2	7.2	7.2
70°	5.4	3.6	3.6	3.6	5.4
72.5°	3.6	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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)