

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: P774237

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774237
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-EU6DR3070959050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9364.4 lumens
Efficiency: N/A
Efficacy: 94.4 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

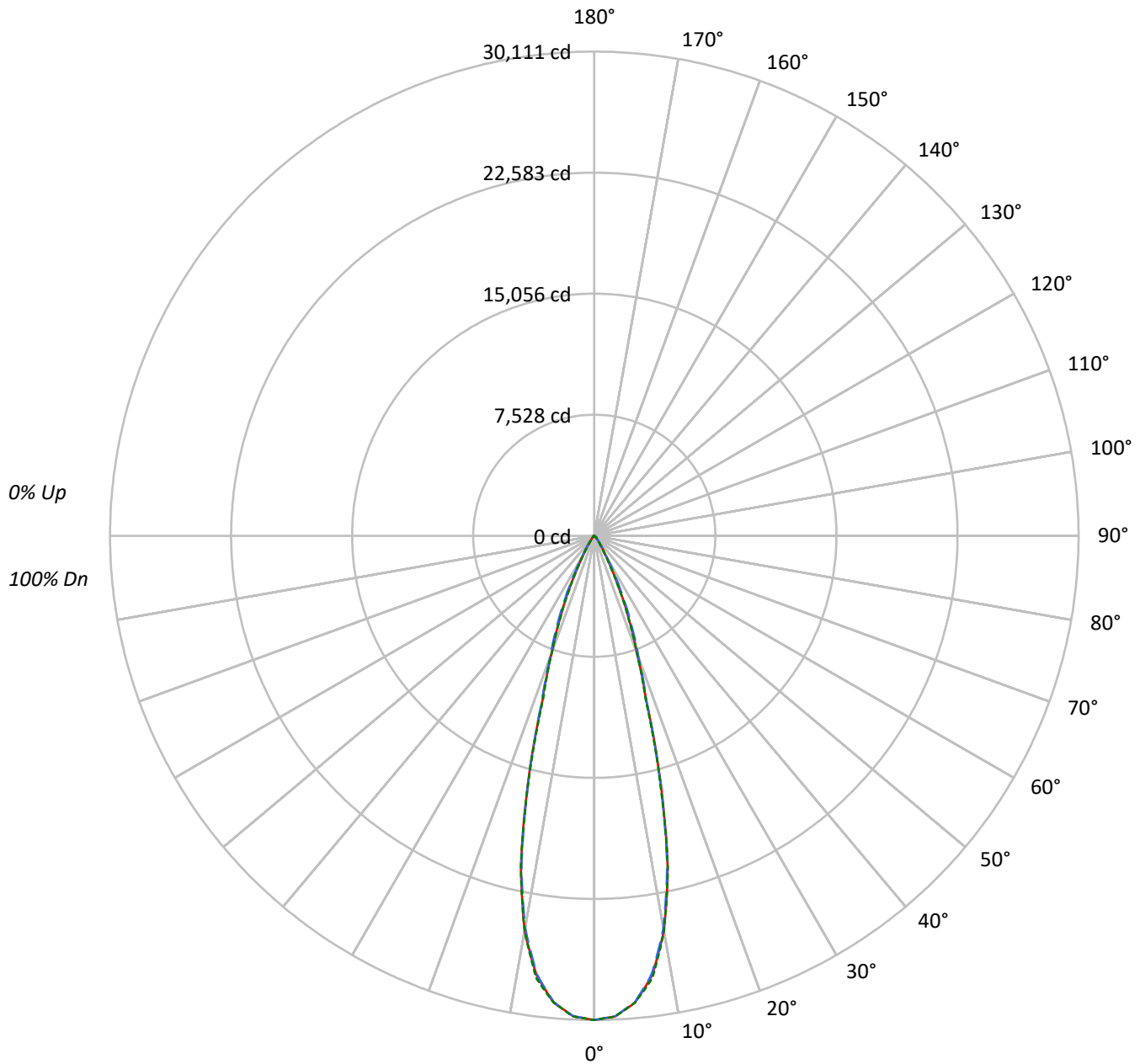


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2304798	2304798	2304798
5°	2238633	2236021	2238741
10°	1938993	1925322	1938535
15°	1265100	1258300	1251977
20°	629075	652673	628228
25°	316880	357335	310394
30°	126876	138243	110543
35°	58850	56364	47244
40°	25410	28217	23931
45°	17926	22245	18088
50°	6156	16195	6514
55°	3550	6713	3750
60°	2495	2939	2495
65°	1612	1612	1612
70°	985	671	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 22245 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2647.8	28.3
10°-20°	4264.3	45.5
20°-30°	1842.7	19.7
30°-40°	420.0	4.5
40°-50°	144.2	1.5
50°-60°	35.2	0.4
60°-70°	9.1	0.1
70°-80°	1.0	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°	8754.8	93.5
0°-40°	9174.8	98.0
0°-60°	9354.3	99.9
0°-90°	9364.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9364.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30111	30111	30111	30111	30111	
5°	29135	29107	29101	29162	29137	2650
15°	15965	15772	15879	15827	15799	4275
25°	3752	3894	4231	3795	3675	1796
35°	630	643	603	599	506	427
45°	166	206	206	206	167	118
55°	27	28	50	30	28	26
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
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°	30111.0	30111.0	30111.0	30111.0	30111.0
2.5°	29911.4	29890.7	29902.5	29917.3	29923.2
5°	29135.3	29107.2	29101.3	29161.9	29136.7
7.5°	27569.7	27529.8	27469.2	27606.7	27735.3
10°	24947.1	24902.8	24771.2	24836.2	24941.2
12.5°	21075.3	20931.9	20929.0	21135.9	21107.8
15°	15964.7	15772.5	15878.9	15827.2	15799.1
17.5°	10735.8	10661.8	10803.8	10760.9	10576.1
20°	7722.9	7742.1	8012.6	7876.6	7712.5
22.5°	5635.5	5704.9	6025.7	5675.4	5546.8
25°	3752.0	3894.0	4231.0	3794.9	3675.2
27.5°	2307.7	2372.7	2714.2	2278.1	2213.1
30°	1435.5	1403.0	1564.1	1342.3	1250.7
32.5°	941.7	900.3	952.1	854.5	780.6
35°	629.8	643.1	603.2	598.7	505.6
37.5°	393.2	452.4	399.2	425.8	325.2
40°	254.3	328.2	282.4	311.9	239.5
42.5°	208.4	252.8	232.1	246.9	212.9
45°	165.6	205.5	205.5	205.5	167.1
47.5°	91.7	137.5	175.9	140.4	97.6
50°	51.7	69.5	136.0	72.4	54.7
52.5°	35.5	39.9	93.1	41.4	37.0
55°	26.6	28.1	50.3	29.6	28.1
57.5°	20.7	22.2	26.6	22.2	20.7
60°	16.3	16.3	19.2	17.7	16.3
62.5°	11.8	11.8	13.3	11.8	11.8
65°	8.9	8.9	8.9	8.9	8.9
67.5°	4.4	5.9	5.9	5.9	5.9
70°	4.4	3.0	3.0	3.0	4.4
72.5°	3.0	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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)