

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: P774226

Luminaire Tested: LD6D95BD010-EU6DR3070959040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774226
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-EU6DR3070959040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12126.4 lumens
Efficiency: N/A
Efficacy: 122.2 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

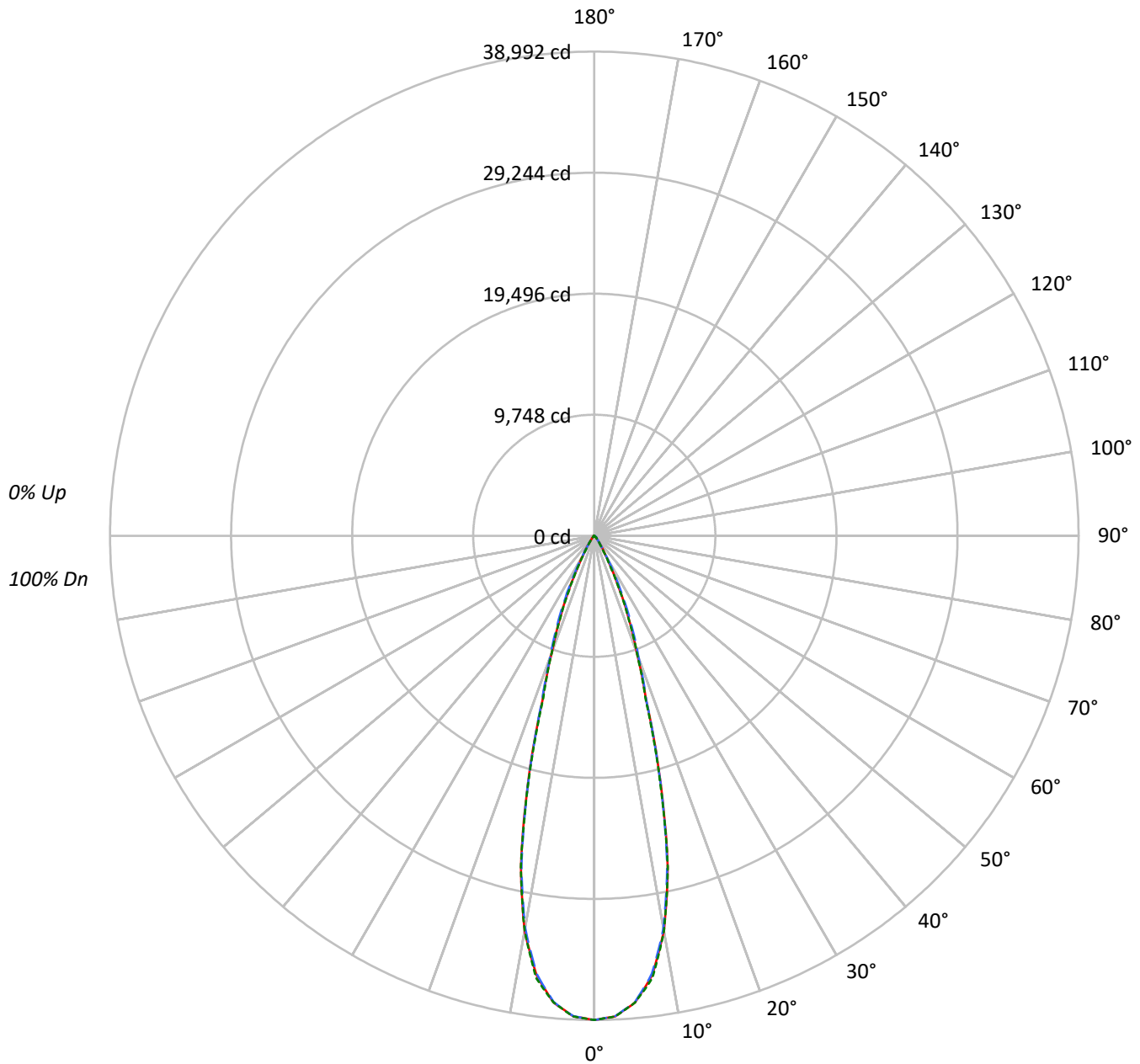


Downlight

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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°	2984588	2984588	2984588
5°	2898906	2895526	2899060
10°	2510896	2493190	2510297
15°	1638234	1629438	1621244
20°	814615	845185	813523
25°	410348	462736	401944
30°	164298	179014	143148
35°	76202	72988	61177
40°	32904	36531	30985
45°	23209	28805	23414
50°	7978	20970	8431
55°	4604	8688	4858
60°	3230	3812	3230
65°	2083	2083	2083
70°	1276	850	1276
75°	0	562	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 28805 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3428.8	28.3
10°-20°	5522.1	45.5
20°-30°	2386.2	19.7
30°-40°	543.9	4.5
40°-50°	186.7	1.5
50°-60°	45.6	0.4
60°-70°	11.8	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°	11337.1	93.5
0°-40°	11880.9	98.0
0°-60°	12113.3	99.9
0°-90°	12126.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12126.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38992	38992	38992	38992	38992	
5°	37729	37692	37685	37763	37731	3432
15°	20673	20424	20562	20495	20459	5536
25°	4859	5042	5479	4914	4759	2326
35°	816	833	781	775	655	553
45°	214	266	266	266	216	152
55°	34	36	65	38	36	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°	38992.1	38992.1	38992.1	38992.1	38992.1
2.5°	38733.7	38706.9	38722.2	38741.4	38749.0
5°	37728.6	37692.3	37684.6	37763.1	37730.6
7.5°	35701.3	35649.6	35571.1	35749.2	35915.7
10°	32305.2	32247.8	32077.4	32161.6	32297.5
12.5°	27291.4	27105.7	27101.9	27369.9	27333.6
15°	20673.4	20424.5	20562.4	20495.4	20459.0
17.5°	13902.2	13806.5	13990.3	13934.8	13695.5
20°	10000.7	10025.6	10376.0	10199.8	9987.3
22.5°	7297.6	7387.6	7803.0	7349.3	7182.8
25°	4858.7	5042.5	5479.0	4914.2	4759.2
27.5°	2988.4	3072.6	3514.8	2950.1	2865.8
30°	1858.9	1816.7	2025.4	1738.3	1619.6
32.5°	1219.5	1165.9	1232.9	1106.5	1010.8
35°	815.5	832.8	781.1	775.3	654.7
37.5°	509.2	585.8	516.9	551.3	421.2
40°	329.3	425.0	365.6	403.9	310.1
42.5°	269.9	327.4	300.6	319.7	275.7
45°	214.4	266.1	266.1	266.1	216.3
47.5°	118.7	178.0	227.8	181.9	126.3
50°	67.0	90.0	176.1	93.8	70.8
52.5°	45.9	51.7	120.6	53.6	47.9
55°	34.5	36.4	65.1	38.3	36.4
57.5°	26.8	28.7	34.5	28.7	26.8
60°	21.1	21.1	24.9	23.0	21.1
62.5°	15.3	15.3	17.2	15.3	15.3
65°	11.5	11.5	11.5	11.5	11.5
67.5°	5.7	7.7	7.7	7.7	7.7
70°	5.7	3.8	3.8	3.8	5.7
72.5°	3.8	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)