

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: P774189

Luminaire Tested: LD6D95BD010-EU6DR3070959027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774189
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-EU6DR3070959027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10459.3 lumens
Efficiency: N/A
Efficacy: 105.4 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 (A_{in}): 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

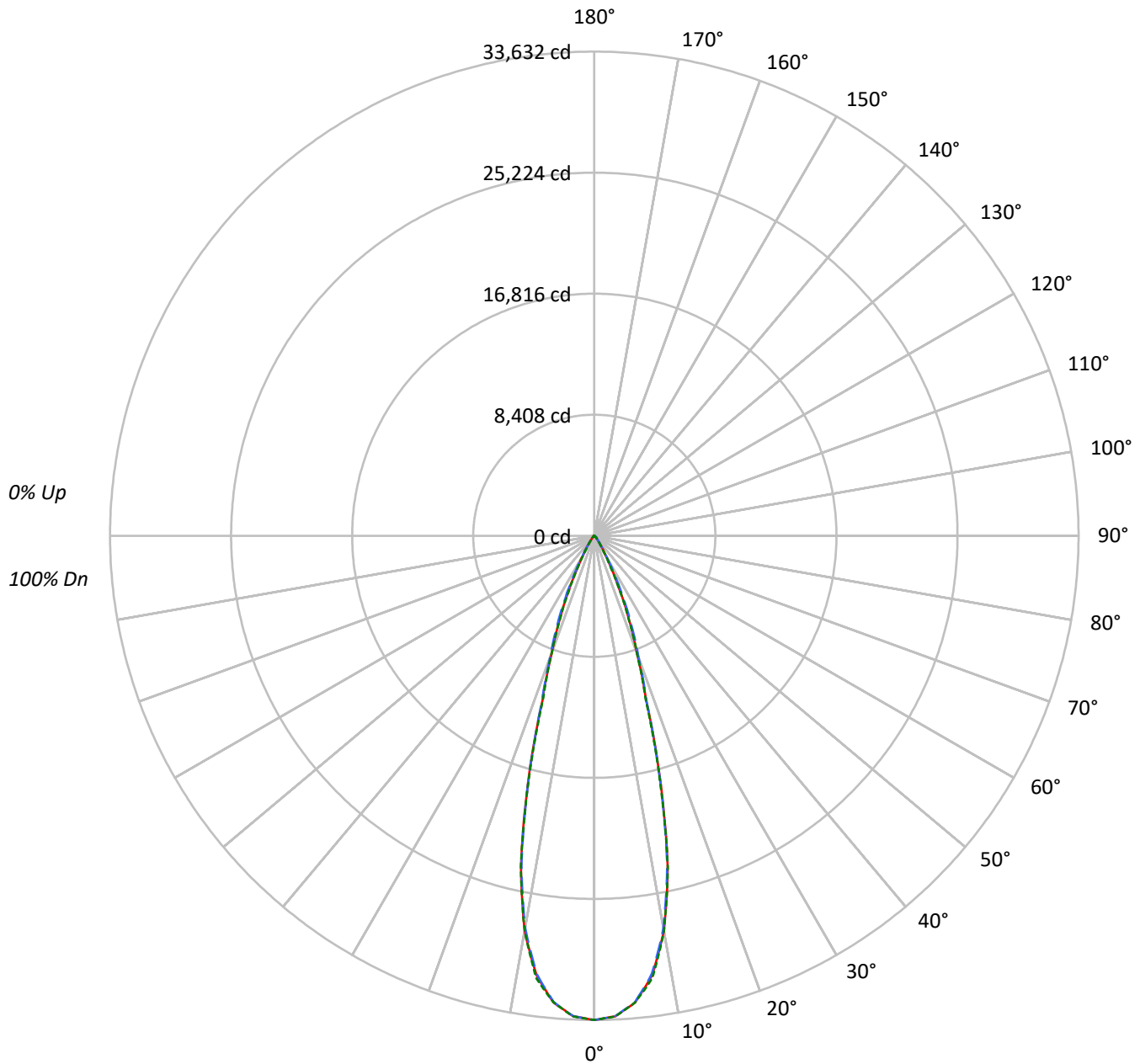


Downlight

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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°	2574277	2574277	2574277
5°	2500375	2497455	2500505
10°	2165707	2150434	2165194
15°	1413016	1405424	1398363
20°	702629	728989	701685
25°	353931	399115	346685
30°	141707	154408	123465
35°	65727	62952	52767
40°	28377	31515	26729
45°	20015	24843	20199
50°	6883	18088	7276
55°	3963	7487	4190
60°	2786	3291	2786
65°	1793	1793	1793
70°	1119	739	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 24843 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2957.4	28.3
10°-20°	4762.9	45.5
20°-30°	2058.2	19.7
30°-40°	469.1	4.5
40°-50°	161.1	1.5
50°-60°	39.3	0.4
60°-70°	10.2	0.1
70°-80°	1.1	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°	9778.5	93.5
0°-40°	10247.6	98.0
0°-60°	10448.0	99.9
0°-90°	10459.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10459.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33632	33632	33632	33632	33632	
5°	32542	32510	32504	32572	32544	2960
15°	17831	17617	17736	17678	17646	4775
25°	4191	4349	4726	4239	4105	2006
35°	703	718	674	669	565	477
45°	185	230	230	230	187	131
55°	30	31	56	33	31	29
65°	10	10	10	10	10	10
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°	33631.6	33631.6	33631.6	33631.6	33631.6
2.5°	33408.7	33385.6	33398.8	33415.3	33421.9
5°	32541.8	32510.4	32503.8	32571.5	32543.5
7.5°	30793.2	30748.6	30680.9	30834.5	30978.1
10°	27864.0	27814.4	27667.5	27740.1	27857.4
12.5°	23539.5	23379.3	23376.0	23607.2	23575.8
15°	17831.3	17616.6	17735.5	17677.7	17646.4
17.5°	11991.0	11908.4	12067.0	12019.1	11812.7
20°	8625.9	8647.3	8949.5	8797.6	8614.3
22.5°	6294.4	6372.0	6730.3	6339.0	6195.3
25°	4190.7	4349.3	4725.7	4238.6	4104.9
27.5°	2577.5	2650.2	3031.6	2544.5	2471.8
30°	1603.3	1567.0	1747.0	1499.3	1396.9
32.5°	1051.8	1005.6	1063.4	954.4	871.8
35°	703.4	718.3	673.7	668.7	564.7
37.5°	439.2	505.3	445.8	475.5	363.3
40°	284.0	366.6	315.4	348.4	267.5
42.5°	232.8	282.4	259.2	275.8	237.8
45°	184.9	229.5	229.5	229.5	186.6
47.5°	102.4	153.6	196.5	156.9	109.0
50°	57.8	77.6	151.9	80.9	61.1
52.5°	39.6	44.6	104.0	46.2	41.3
55°	29.7	31.4	56.1	33.0	31.4
57.5°	23.1	24.8	29.7	24.8	23.1
60°	18.2	18.2	21.5	19.8	18.2
62.5°	13.2	13.2	14.9	13.2	13.2
65°	9.9	9.9	9.9	9.9	9.9
67.5°	5.0	6.6	6.6	6.6	6.6
70°	5.0	3.3	3.3	3.3	5.0
72.5°	3.3	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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)