

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: P774172

Luminaire Tested: LD6D95BD010-EU6DR3070959024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774172
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-EU6DR3070959024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7532.1 lumens
Efficiency: N/A
Efficacy: 75.9 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

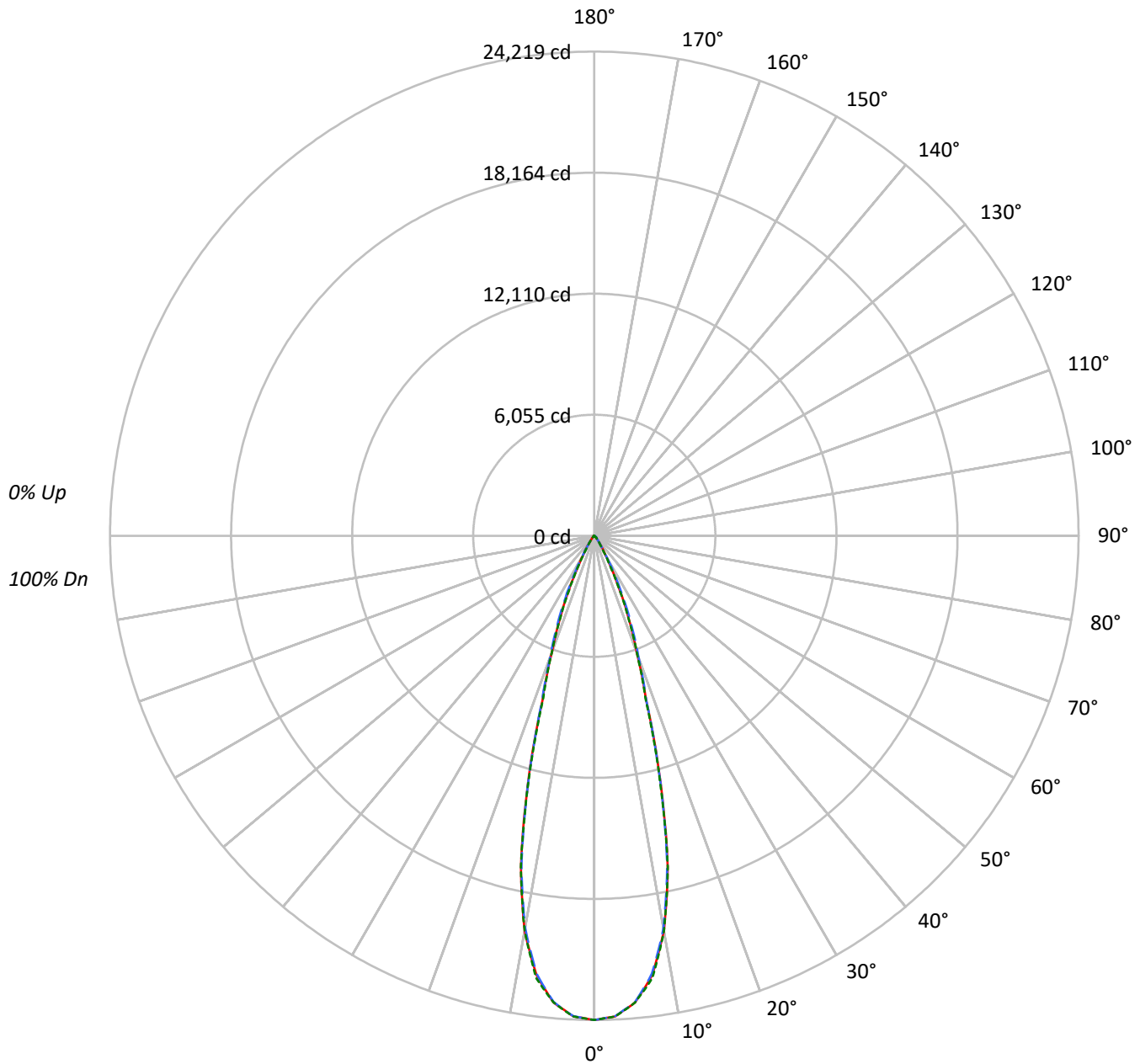


Downlight

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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°	1853835	1853835	1853835
5°	1800616	1798518	1800708
10°	1559606	1548608	1559241
15°	1017566	1012099	1007011
20°	505987	524974	505311
25°	254881	287422	249661
30°	102049	111197	88915
35°	47338	45329	38003
40°	20434	22692	19245
45°	14419	17894	14549
50°	4954	13027	5240
55°	2856	5391	3016
60°	2005	2373	2005
65°	1286	1286	1286
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 17894 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2129.7	28.3
10°-20°	3430.0	45.5
20°-30°	1482.2	19.7
30°-40°	337.8	4.5
40°-50°	116.0	1.5
50°-60°	28.3	0.4
60°-70°	7.4	0.1
70°-80°	0.8	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°	7041.9	93.5
0°-40°	7379.7	98.0
0°-60°	7524.0	99.9
0°-90°	7532.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7532.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24219	24219	24219	24219	24219	
5°	23435	23412	23407	23456	23436	2131
15°	12841	12686	12772	12730	12708	3438
25°	3018	3132	3403	3052	2956	1445
35°	507	517	485	482	407	344
45°	133	165	165	165	134	95
55°	21	23	40	24	23	21
65°	7	7	7	7	7	7
75°	0	0	1	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°	24219.4	24219.4	24219.4	24219.4	24219.4
2.5°	24058.9	24042.3	24051.8	24063.7	24068.4
5°	23434.6	23412.0	23407.3	23456.0	23435.8
7.5°	22175.4	22143.3	22094.5	22205.1	22308.6
10°	20065.9	20030.3	19924.4	19976.7	20061.2
12.5°	16951.7	16836.4	16834.0	17000.4	16977.9
15°	12841.0	12686.4	12772.0	12730.4	12707.8
17.5°	8635.2	8575.7	8689.9	8655.4	8506.8
20°	6211.8	6227.3	6444.9	6335.5	6203.5
22.5°	4532.8	4588.7	4846.7	4564.9	4461.5
25°	3017.9	3132.1	3403.2	3052.4	2956.1
27.5°	1856.2	1908.5	2183.2	1832.4	1780.1
30°	1154.6	1128.4	1258.1	1079.7	1006.0
32.5°	757.5	724.2	765.8	687.3	627.8
35°	506.6	517.3	485.1	481.6	406.7
37.5°	316.3	363.9	321.1	342.5	261.6
40°	204.5	264.0	227.1	250.9	192.6
42.5°	167.7	203.3	186.7	198.6	171.2
45°	133.2	165.3	165.3	165.3	134.4
47.5°	73.7	110.6	141.5	113.0	78.5
50°	41.6	55.9	109.4	58.3	44.0
52.5°	28.5	32.1	74.9	33.3	29.7
55°	21.4	22.6	40.4	23.8	22.6
57.5°	16.6	17.8	21.4	17.8	16.6
60°	13.1	13.1	15.5	14.3	13.1
62.5°	9.5	9.5	10.7	9.5	9.5
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.6	4.8	4.8	4.8	4.8
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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)