

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: P774227

Luminaire Tested: LD6D95BD010-EU6DR3070959040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774227
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-EU6DR3070959040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10302.3 lumens
Efficiency: N/A
Efficacy: 103.9 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 (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

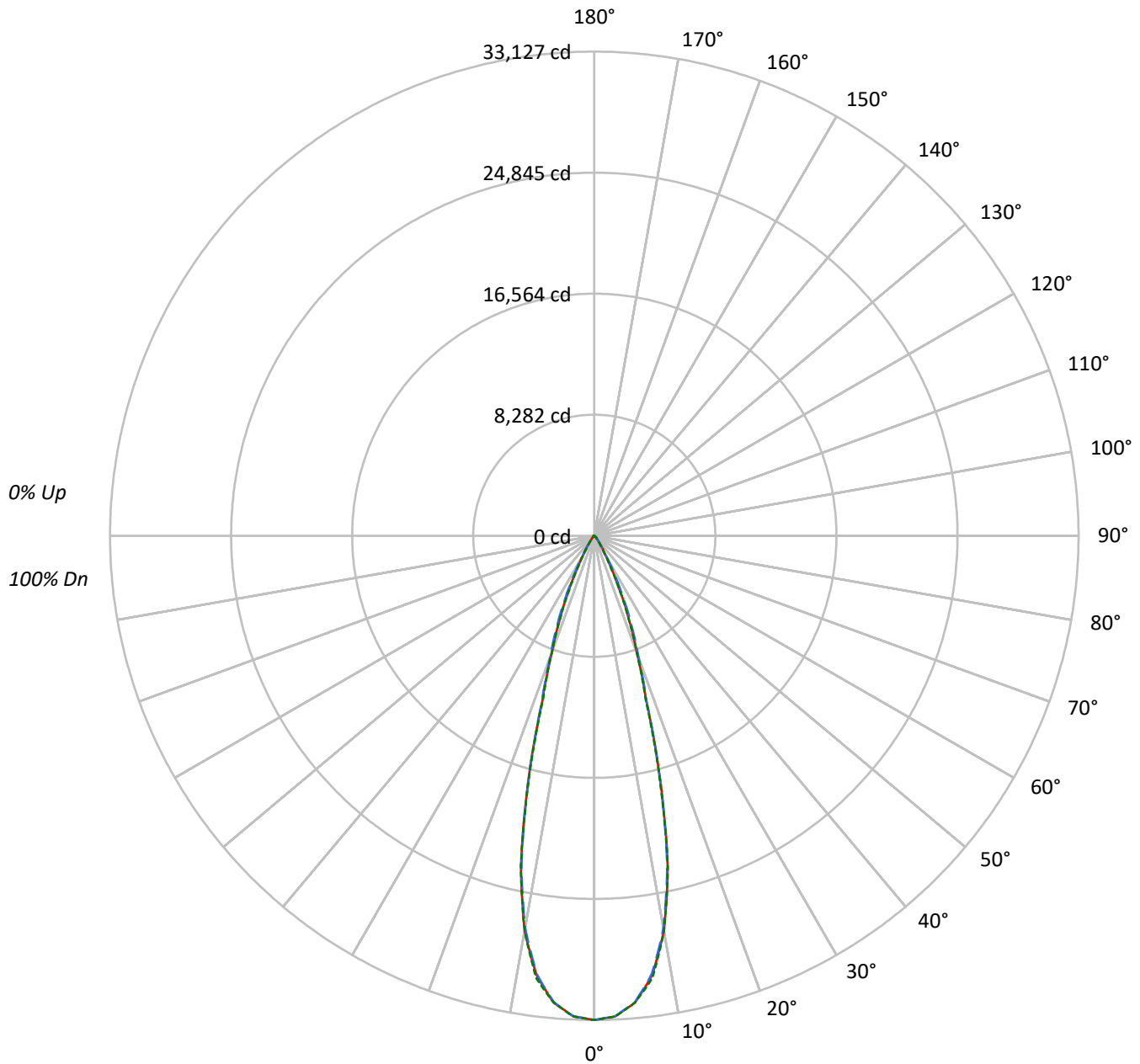


Downlight

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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°	2535638	2535638	2535638
5°	2462848	2459974	2462971
10°	2133203	2118155	2132698
15°	1391810	1384329	1377372
20°	692081	718049	691152
25°	348619	393127	341482
30°	139577	152084	121609
35°	64746	62008	51973
40°	27948	31035	26329
45°	19723	24475	19896
50°	6776	17814	7169
55°	3910	7380	4124
60°	2740	3230	2740
65°	1775	1775	1775
70°	1097	739	1097
75°	0	473	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 24475 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2913.0	28.3
10°-20°	4691.4	45.5
20°-30°	2027.3	19.7
30°-40°	462.1	4.5
40°-50°	158.6	1.5
50°-60°	38.8	0.4
60°-70°	10.1	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°	9631.7	93.5
0°-40°	10093.8	98.0
0°-60°	10291.2	99.9
0°-90°	10302.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10302.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33127	33127	33127	33127	33127	
5°	32053	32022	32016	32083	32055	2915
15°	17564	17352	17469	17412	17382	4703
25°	4128	4284	4655	4175	4043	1976
35°	693	708	664	659	556	470
45°	182	226	226	226	184	129
55°	29	31	55	32	31	29
65°	10	10	10	10	10	10
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°	33126.8	33126.8	33126.8	33126.8	33126.8
2.5°	32907.3	32884.5	32897.5	32913.8	32920.3
5°	32053.4	32022.5	32016.0	32082.7	32055.0
7.5°	30331.0	30287.1	30220.4	30371.7	30513.2
10°	27445.8	27397.0	27252.2	27323.8	27439.3
12.5°	23186.2	23028.4	23025.2	23252.9	23222.0
15°	17563.7	17352.2	17469.3	17412.4	17381.5
17.5°	11811.0	11729.7	11885.8	11838.7	11635.4
20°	8496.4	8517.5	8815.2	8665.5	8485.0
22.5°	6199.9	6276.3	6629.3	6243.8	6102.3
25°	4127.8	4284.0	4654.8	4175.0	4043.3
27.5°	2538.8	2610.4	2986.1	2506.3	2434.7
30°	1579.2	1543.5	1720.7	1476.8	1375.9
32.5°	1036.0	990.5	1047.4	940.1	858.7
35°	692.9	707.5	663.6	658.7	556.2
37.5°	432.6	497.7	439.1	468.4	357.8
40°	279.7	361.1	310.6	343.2	263.5
42.5°	229.3	278.1	255.3	271.6	234.2
45°	182.2	226.1	226.1	226.1	183.8
47.5°	100.8	151.3	193.5	154.5	107.3
50°	56.9	76.4	149.6	79.7	60.2
52.5°	39.0	43.9	102.5	45.5	40.7
55°	29.3	30.9	55.3	32.5	30.9
57.5°	22.8	24.4	29.3	24.4	22.8
60°	17.9	17.9	21.1	19.5	17.9
62.5°	13.0	13.0	14.6	13.0	13.0
65°	9.8	9.8	9.8	9.8	9.8
67.5°	4.9	6.5	6.5	6.5	6.5
70°	4.9	3.3	3.3	3.3	4.9
72.5°	3.3	1.6	1.6	1.6	1.6
75°	0.0	0.0	1.6	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)