

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: P774244

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774244
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-EU6DR3070959050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11638.1 lumens
Efficiency: N/A
Efficacy: 117.3 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

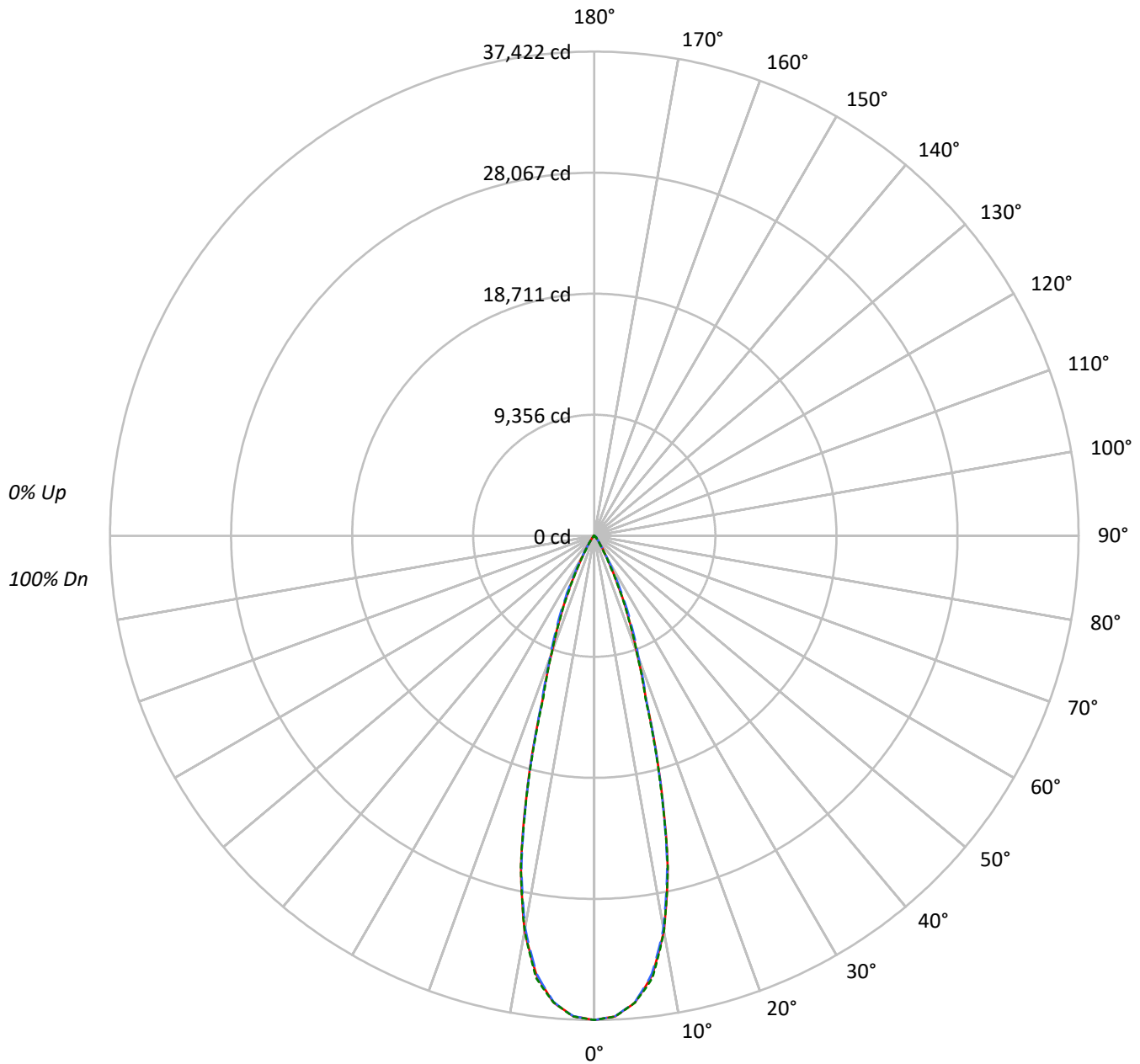


Downlight

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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					0
RW	70	50	30	10	70	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
1	115	113	111	109	112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101	109	105	102	100		102	100	98		99	97	96		97	95	94
3	107	102	98	95	105	101	97	94		98	95	93		96	93	91		94	92	90
4	103	98	93	90	102	96	93	90		94	91	89		93	90	88		91	89	87
5	100	94	89	86	98	93	89	86		91	88	85		90	86	84		88	86	83
6	97	90	85	82	95	89	85	82		88	84	81		87	83	81		85	83	80
7	94	87	82	79	92	86	82	79		85	81	78		84	81	78		83	80	78
8	91	84	79	76	90	83	79	76		82	78	76		81	78	75		80	77	75
9	88	81	76	73	87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71	85	78	74	71		77	73	71		76	73	71		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2864430	2864430	2864430
5°	2782201	2778958	2782339
10°	2409808	2392817	2409240
15°	1572279	1563832	1555971
20°	781821	811153	780770
25°	393828	444105	385763
30°	157678	171811	137385
35°	73137	70044	58719
40°	31575	35062	29736
45°	22278	27647	22472
50°	7657	20125	8097
55°	4417	8341	4657
60°	3092	3659	3092
65°	1992	1992	1992
70°	1231	828	1231
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 27647 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3290.7	28.3
10°-20°	5299.7	45.5
20°-30°	2290.2	19.7
30°-40°	522.0	4.5
40°-50°	179.2	1.5
50°-60°	43.8	0.4
60°-70°	11.3	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°	10880.6	93.5
0°-40°	11402.6	98.0
0°-60°	11625.6	99.9
0°-90°	11638.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11638.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37422	37422	37422	37422	37422	
5°	36210	36175	36168	36243	36212	3293
15°	19841	19602	19734	19670	19635	5313
25°	4663	4840	5258	4716	4568	2232
35°	783	799	750	744	628	531
45°	206	255	255	255	208	146
55°	33	35	62	37	35	32
65°	11	11	11	11	11	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°	37422.3	37422.3	37422.3	37422.3	37422.3
2.5°	37174.3	37148.6	37163.3	37181.6	37189.0
5°	36209.7	36174.8	36167.5	36242.8	36211.5
7.5°	34264.0	34214.4	34139.1	34309.9	34469.8
10°	31004.6	30949.5	30786.0	30866.8	30997.3
12.5°	26192.7	26014.5	26010.8	26268.0	26233.1
15°	19841.1	19602.3	19734.5	19670.2	19635.3
17.5°	13342.5	13250.7	13427.1	13373.8	13144.1
20°	9598.1	9622.0	9958.2	9789.2	9585.2
22.5°	7003.8	7090.2	7488.9	7053.4	6893.6
25°	4663.1	4839.5	5258.4	4716.4	4567.6
27.5°	2868.0	2948.9	3373.3	2831.3	2750.5
30°	1784.0	1743.6	1943.9	1668.3	1554.4
32.5°	1170.4	1118.9	1183.2	1062.0	970.1
35°	782.7	799.2	749.6	744.1	628.4
37.5°	488.7	562.2	496.1	529.1	404.2
40°	316.0	407.9	350.9	387.7	297.6
42.5°	259.1	314.2	288.5	306.8	264.6
45°	205.8	255.4	255.4	255.4	207.6
47.5°	113.9	170.9	218.6	174.5	121.3
50°	64.3	86.4	169.0	90.0	68.0
52.5°	44.1	49.6	115.8	51.4	45.9
55°	33.1	34.9	62.5	36.7	34.9
57.5°	25.7	27.6	33.1	27.6	25.7
60°	20.2	20.2	23.9	22.0	20.2
62.5°	14.7	14.7	16.5	14.7	14.7
65°	11.0	11.0	11.0	11.0	11.0
67.5°	5.5	7.3	7.3	7.3	7.3
70°	5.5	3.7	3.7	3.7	5.5
72.5°	3.7	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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)