

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: P774216

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774216
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-EU6DR3070959035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11613.8 lumens
Efficiency: N/A
Efficacy: 117.1 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

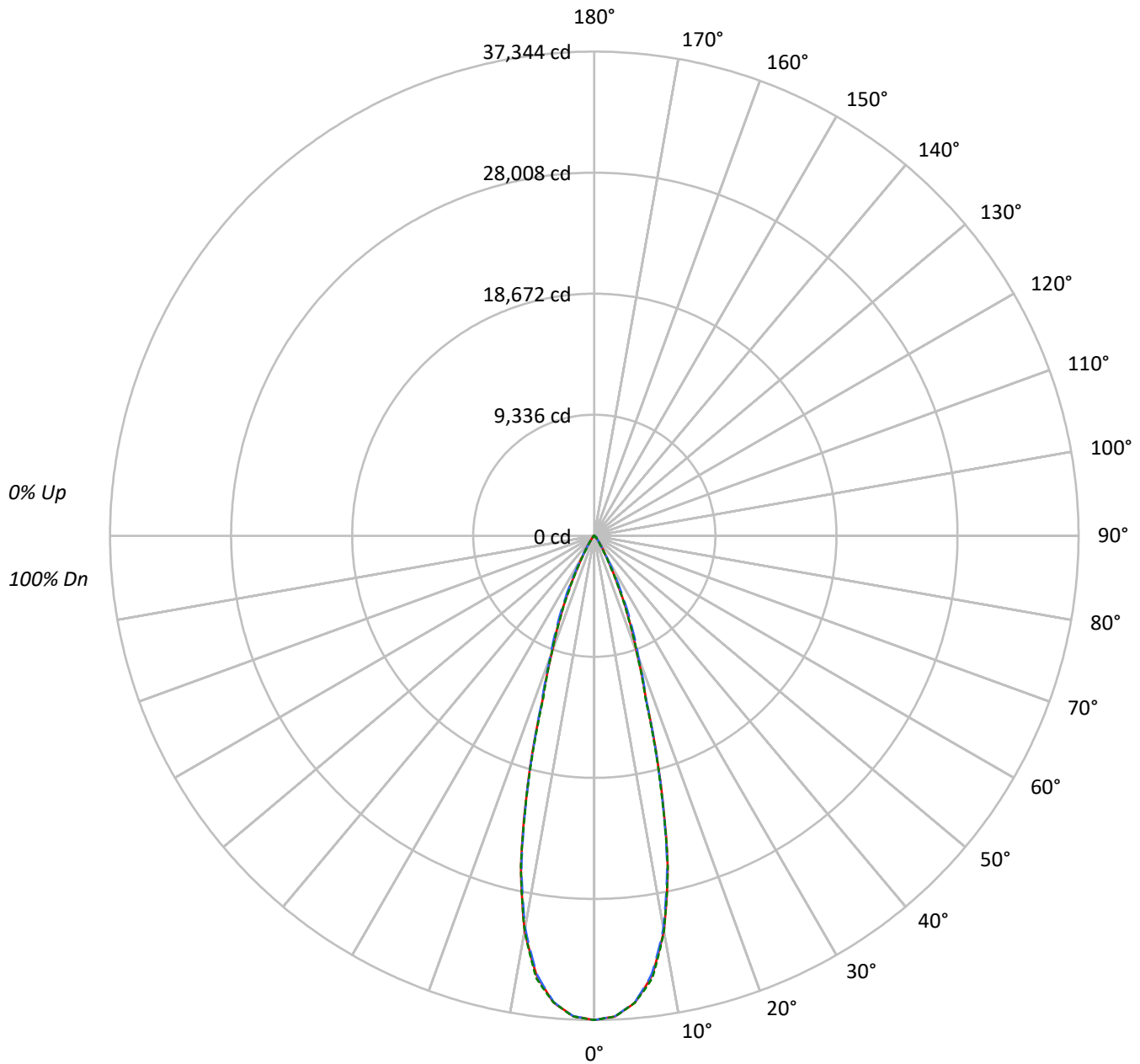


Downlight

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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	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°	2858437	2858437	2858437
5°	2776376	2773134	2776515
10°	2404763	2387804	2404188
15°	1568991	1560559	1552714
20°	780183	809459	779141
25°	393000	443176	384952
30°	157351	171449	137094
35°	72988	69904	58588
40°	31515	34992	29676
45°	22223	27593	22429
50°	7645	20089	8074
55°	4404	8314	4644
60°	3092	3643	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: 27593 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3283.8	28.3
10°-20°	5288.6	45.5
20°-30°	2285.4	19.7
30°-40°	520.9	4.5
40°-50°	178.9	1.5
50°-60°	43.7	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°	10857.8	93.5
0°-40°	11378.7	98.0
0°-60°	11601.3	99.9
0°-90°	11613.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11613.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37344	37344	37344	37344	37344	
5°	36134	36099	36092	36167	36136	3287
15°	19800	19561	19693	19629	19594	5302
25°	4653	4829	5247	4706	4558	2227
35°	781	798	748	743	627	530
45°	205	255	255	255	207	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°	37344.0	37344.0	37344.0	37344.0	37344.0
2.5°	37096.4	37070.8	37085.4	37103.8	37111.1
5°	36133.9	36099.0	36091.7	36166.9	36135.7
7.5°	34192.2	34142.7	34067.6	34238.1	34397.6
10°	30939.7	30884.7	30721.5	30802.2	30932.3
12.5°	26137.8	25960.0	25956.3	26213.0	26178.2
15°	19799.6	19561.2	19693.2	19629.0	19594.2
17.5°	13314.6	13222.9	13398.9	13345.8	13116.6
20°	9578.0	9601.8	9937.4	9768.7	9565.2
22.5°	6989.2	7075.3	7473.2	7038.7	6879.2
25°	4653.3	4829.3	5247.4	4706.5	4558.0
27.5°	2862.0	2942.7	3366.2	2825.4	2744.7
30°	1780.3	1740.0	1939.8	1664.8	1551.1
32.5°	1167.9	1116.6	1180.7	1059.7	968.1
35°	781.1	797.6	748.1	742.6	627.0
37.5°	487.7	561.0	495.0	528.0	403.4
40°	315.4	407.0	350.2	386.9	297.0
42.5°	258.5	313.5	287.9	306.2	264.0
45°	205.3	254.9	254.9	254.9	207.2
47.5°	113.7	170.5	218.2	174.2	121.0
50°	64.2	86.2	168.7	89.8	67.8
52.5°	44.0	49.5	115.5	51.3	45.8
55°	33.0	34.8	62.3	36.7	34.8
57.5°	25.7	27.5	33.0	27.5	25.7
60°	20.2	20.2	23.8	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)