

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: P774225

Luminaire Tested: LD6D95BD010-EU6DR3070959040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774225
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-EU6DR3070959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11548.9 lumens
Efficiency: N/A
Efficacy: 116.4 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

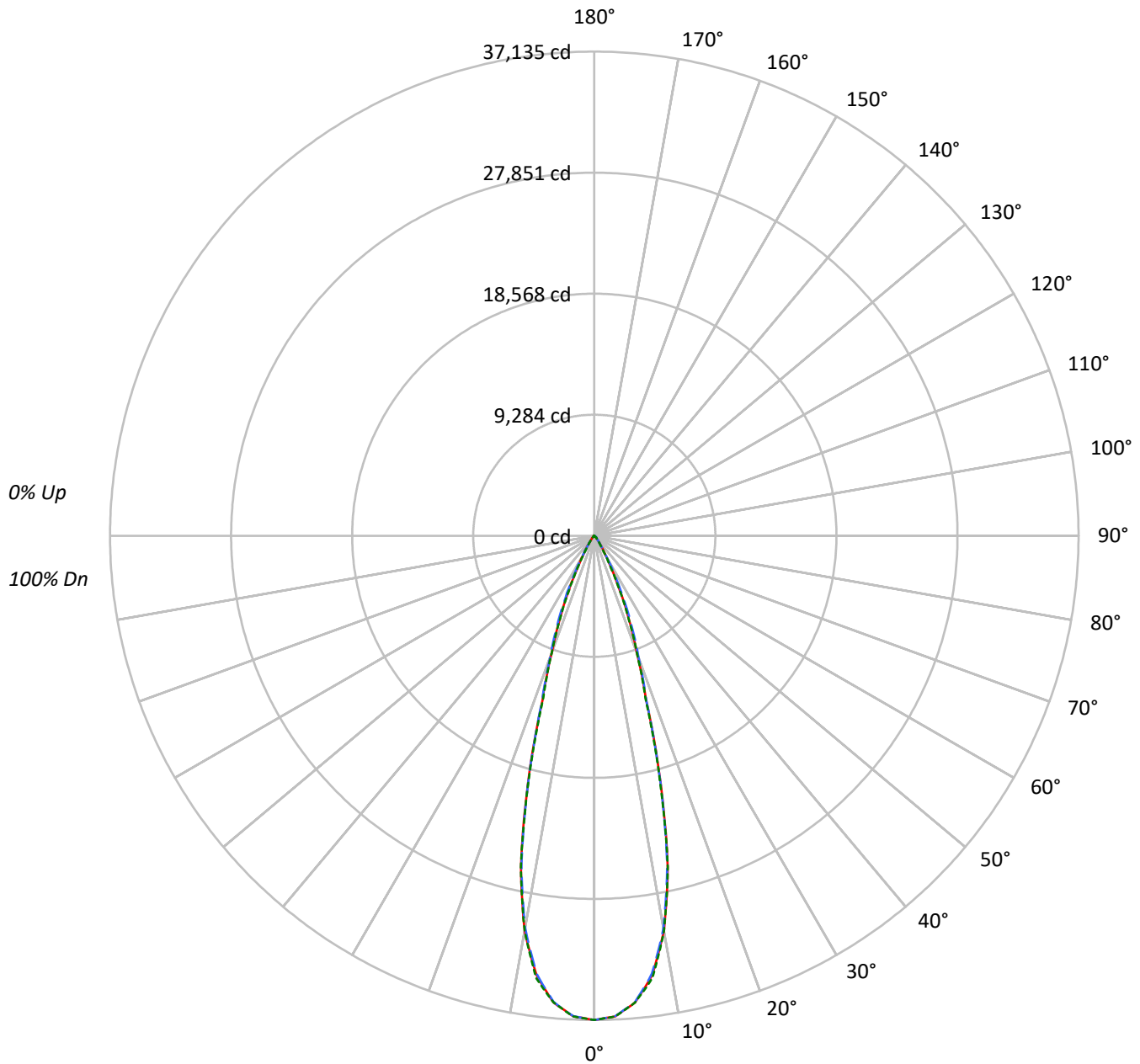


Downlight

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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					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°	2842470	2842470	2842470
5°	2760863	2757644	2761009
10°	2391333	2374467	2390765
15°	1560226	1551842	1544045
20°	775826	804938	774783
25°	390805	440701	382798
30°	156467	170494	136325
35°	72577	69512	58261
40°	31335	34792	29516
45°	22104	27430	22299
50°	7597	19970	8038
55°	4377	8274	4617
60°	3077	3628	3077
65°	1974	1974	1974
70°	1231	806	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: 27430 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3265.5	28.3
10°-20°	5259.1	45.5
20°-30°	2272.6	19.7
30°-40°	518.0	4.5
40°-50°	177.8	1.5
50°-60°	43.4	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°	10797.2	93.5
0°-40°	11315.2	98.0
0°-60°	11536.5	99.9
0°-90°	11548.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11548.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37135	37135	37135	37135	37135	
5°	35932	35897	35890	35965	35934	3268
15°	19689	19452	19583	19519	19485	5272
25°	4627	4802	5218	4680	4532	2215
35°	777	793	744	738	624	527
45°	204	253	253	253	206	145
55°	33	35	62	36	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°	37135.4	37135.4	37135.4	37135.4	37135.4
2.5°	36889.2	36863.7	36878.3	36896.5	36903.8
5°	35932.0	35897.4	35890.1	35964.9	35933.9
7.5°	34001.3	33952.0	33877.3	34046.8	34205.5
10°	30766.9	30712.2	30549.9	30630.1	30759.6
12.5°	25991.8	25815.0	25811.3	26066.6	26032.0
15°	19689.0	19451.9	19583.2	19519.4	19484.8
17.5°	13240.2	13149.1	13324.1	13271.2	13043.3
20°	9524.5	9548.2	9881.9	9714.1	9511.7
22.5°	6950.1	7035.8	7431.4	6999.3	6840.7
25°	4627.3	4802.4	5218.1	4680.2	4532.5
27.5°	2846.0	2926.3	3347.4	2809.6	2729.4
30°	1770.3	1730.2	1929.0	1655.5	1542.4
32.5°	1161.4	1110.3	1174.2	1053.8	962.7
35°	776.7	793.1	743.9	738.4	623.5
37.5°	485.0	557.9	492.3	525.1	401.1
40°	313.6	404.8	348.2	384.7	295.4
42.5°	257.1	311.8	286.2	304.5	262.5
45°	204.2	253.4	253.4	253.4	206.0
47.5°	113.0	169.6	217.0	173.2	120.3
50°	63.8	85.7	167.7	89.3	67.5
52.5°	43.8	49.2	114.9	51.1	45.6
55°	32.8	34.6	62.0	36.5	34.6
57.5°	25.5	27.3	32.8	27.3	25.5
60°	20.1	20.1	23.7	21.9	20.1
62.5°	14.6	14.6	16.4	14.6	14.6
65°	10.9	10.9	10.9	10.9	10.9
67.5°	5.5	7.3	7.3	7.3	7.3
70°	5.5	3.6	3.6	3.6	5.5
72.5°	3.6	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)