

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: P774198

Luminaire Tested: LD6D95BD010-EU6DR3070959030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774198
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-EU6DR3070959030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8790.1 lumens
Efficiency: N/A
Efficacy: 88.6 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

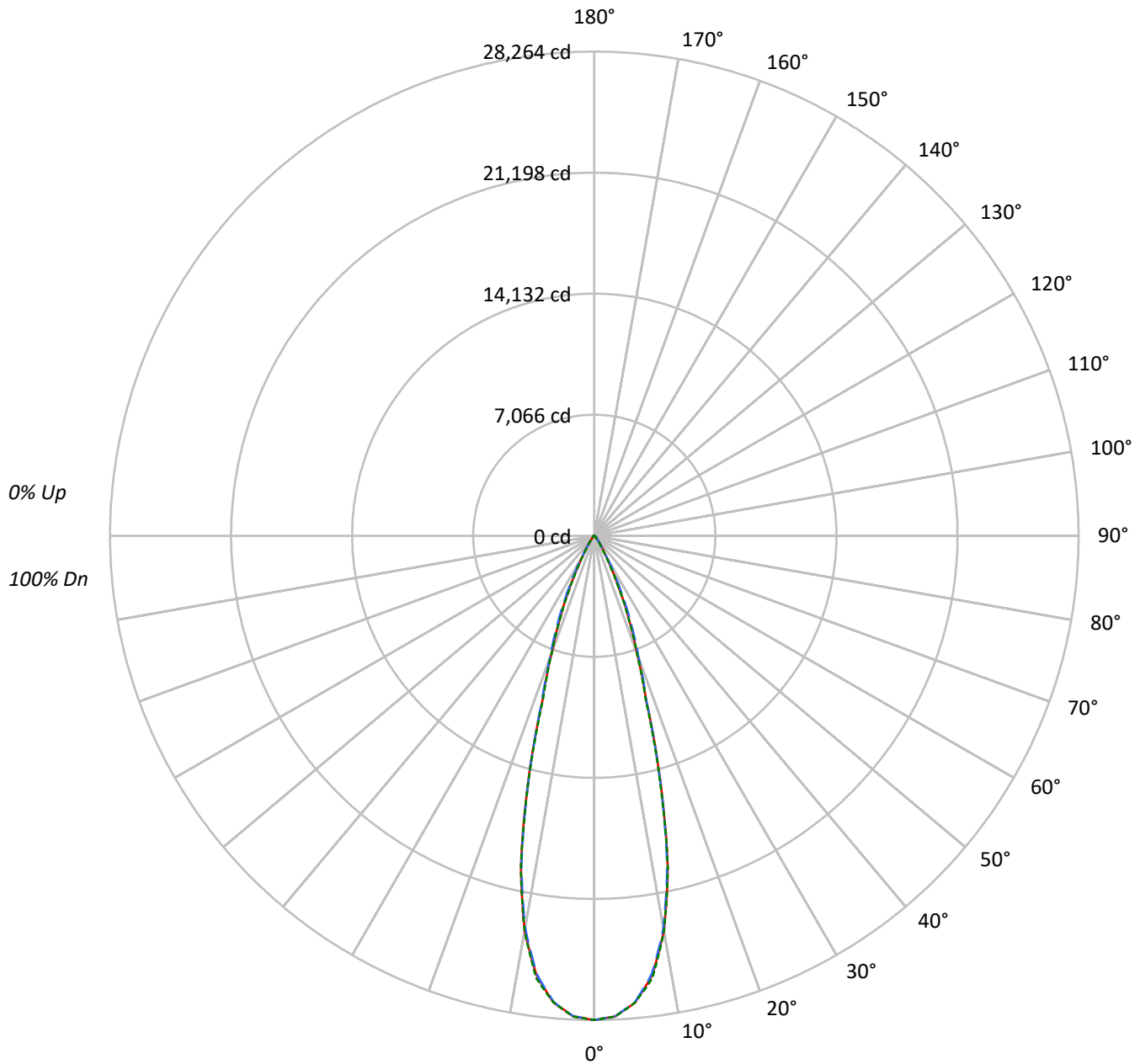


Downlight

TEST NUMBER: P774198

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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°	2163453	2163453	2163453
5°	2101343	2098892	2101451
10°	1820083	1807251	1819648
15°	1187512	1181133	1175198
20°	590497	612653	589707
25°	297447	335427	291357
30°	119090	129766	103764
35°	55243	52907	44348
40°	23851	26479	22462
45°	16822	20881	16973
50°	5787	15207	6109
55°	3336	6299	3523
60°	2342	2756	2342
65°	1503	1503	1503
70°	940	627	940
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 20881 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2485.4	28.3
10°-20°	4002.8	45.5
20°-30°	1729.7	19.7
30°-40°	394.2	4.5
40°-50°	135.4	1.5
50°-60°	33.1	0.4
60°-70°	8.6	0.1
70°-80°	0.9	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°	8217.9	93.5
0°-40°	8612.2	98.0
0°-60°	8780.6	99.9
0°-90°	8790.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8790.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28264	28264	28264	28264	28264	
5°	27348	27322	27317	27374	27350	2487
15°	14986	14805	14905	14857	14830	4013
25°	3522	3655	3972	3562	3450	1686
35°	591	604	566	562	475	401
45°	155	193	193	193	157	110
55°	25	26	47	28	26	24
65°	8	8	8	8	8	8
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°	28264.4	28264.4	28264.4	28264.4	28264.4
2.5°	28077.0	28057.6	28068.7	28082.6	28088.1
5°	27348.5	27322.1	27316.6	27373.5	27349.9
7.5°	25878.9	25841.5	25784.6	25913.6	26034.4
10°	23417.2	23375.6	23252.1	23313.1	23411.6
12.5°	19782.8	19648.2	19645.5	19839.7	19813.4
15°	14985.6	14805.2	14905.1	14856.6	14830.2
17.5°	10077.4	10008.0	10141.2	10101.0	9927.5
20°	7249.3	7267.3	7521.3	7393.6	7239.6
22.5°	5289.9	5355.1	5656.2	5327.3	5206.6
25°	3521.9	3655.2	3971.6	3562.2	3449.8
27.5°	2166.2	2227.2	2547.8	2138.4	2077.4
30°	1347.4	1316.9	1468.2	1260.0	1174.0
32.5°	884.0	845.1	893.7	802.1	732.7
35°	591.2	603.6	566.2	562.0	474.6
37.5°	369.1	424.6	374.7	399.7	305.3
40°	238.7	308.1	265.0	292.8	224.8
42.5°	195.7	237.3	217.9	231.7	199.8
45°	155.4	192.9	192.9	192.9	156.8
47.5°	86.0	129.1	165.1	131.8	91.6
50°	48.6	65.2	127.7	68.0	51.3
52.5°	33.3	37.5	87.4	38.9	34.7
55°	25.0	26.4	47.2	27.8	26.4
57.5°	19.4	20.8	25.0	20.8	19.4
60°	15.3	15.3	18.0	16.7	15.3
62.5°	11.1	11.1	12.5	11.1	11.1
65°	8.3	8.3	8.3	8.3	8.3
67.5°	4.2	5.6	5.6	5.6	5.6
70°	4.2	2.8	2.8	2.8	4.2
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)