

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: P774192

Luminaire Tested: LD6D95BD010-EU6DR3070959027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774192
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-EU6DR3070959027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10604.0 lumens
Efficiency: N/A
Efficacy: 106.9 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

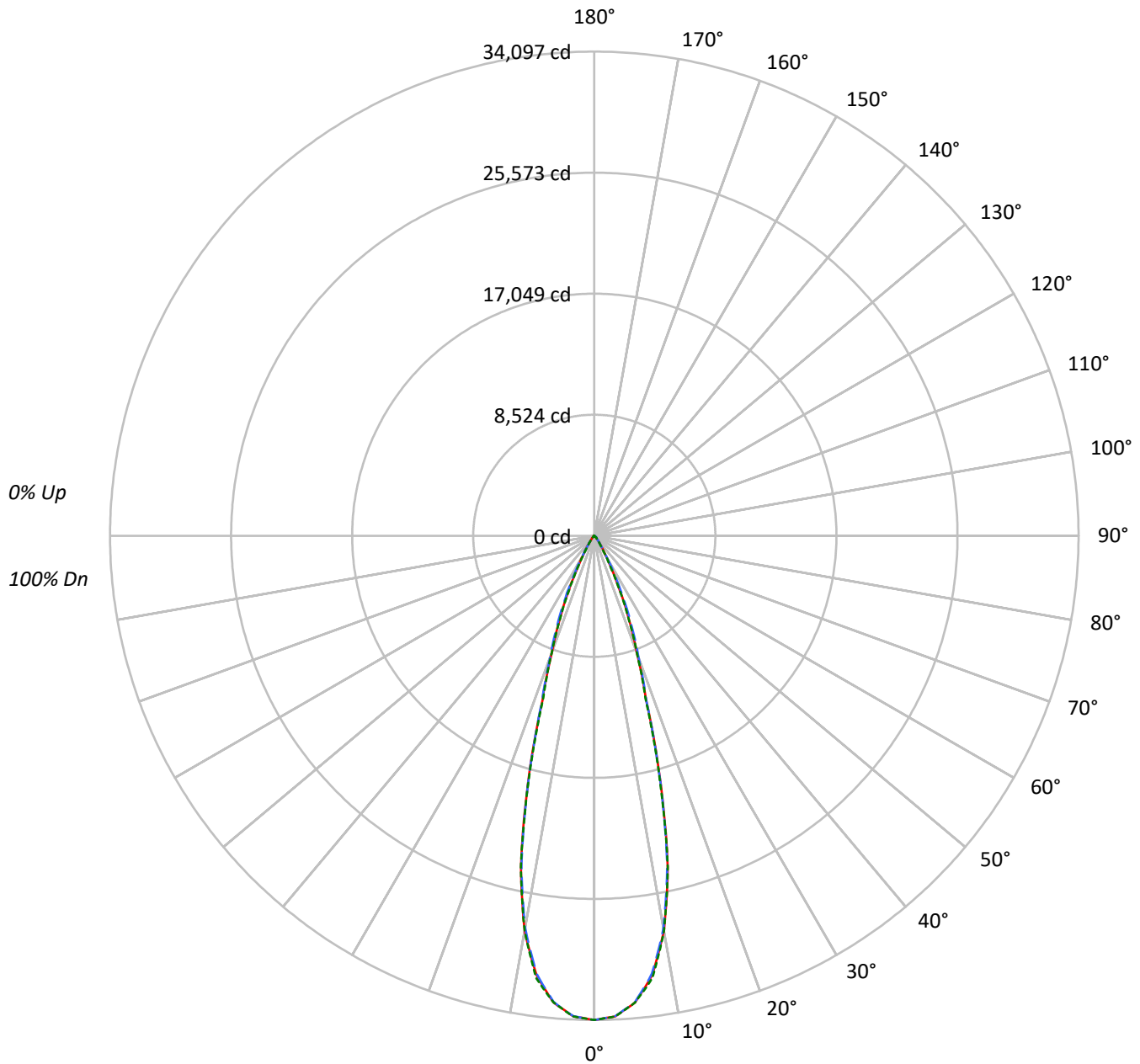


Downlight

TEST NUMBER: P774192

CATALOG NUMBER: LD6D95BD010-EU6DR3070959027-6LBS1MW

Luminous Intensity Polar Plot



TEST NUMBER: P774192

CATALOG NUMBER: LD6D95BD010-EU6DR3070959027-6LBS1MW

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	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°	2609893	2609893	2609893
5°	2534974	2532016	2535104
10°	2195670	2180187	2195149
15°	1432565	1424870	1417707
20°	712347	739073	711394
25°	358829	404639	351482
30°	143669	156538	125170
35°	66634	63821	53496
40°	28767	31945	27098
45°	20297	25189	20481
50°	6978	18338	7371
55°	4017	7593	4244
60°	2817	3337	2817
65°	1811	1811	1811
70°	1119	739	1119
75°	0	503	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 25189 cd/sqm

TEST NUMBER: P774192

CATALOG NUMBER: LD6D95BD010-EU6DR3070959027-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2998.3	28.3
10°-20°	4828.8	45.5
20°-30°	2086.7	19.7
30°-40°	475.6	4.5
40°-50°	163.3	1.5
50°-60°	39.9	0.4
60°-70°	10.3	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°	9913.8	93.5
0°-40°	10389.4	98.0
0°-60°	10592.5	99.9
0°-90°	10604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10604.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	34097	34097	34097	34097	34097	
5°	32992	32960	32954	33022	32994	3001
15°	18078	17860	17981	17922	17890	4841
25°	4249	4409	4791	4297	4162	2034
35°	713	728	683	678	572	484
45°	188	233	233	233	189	133
55°	30	32	57	34	32	29
65°	10	10	10	10	10	10
75°	0	0	2	0	0	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P774192

CATALOG NUMBER: LD6D95BD010-EU6DR3070959027-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	34096.9	34096.9	34096.9	34096.9	34096.9
2.5°	33871.0	33847.5	33860.9	33877.6	33884.3
5°	32992.1	32960.3	32953.6	33022.2	32993.8
7.5°	31219.3	31174.1	31105.4	31261.1	31406.8
10°	28249.5	28199.3	28050.3	28124.0	28242.8
12.5°	23865.2	23702.8	23699.5	23933.8	23902.0
15°	18078.0	17860.4	17980.9	17922.3	17890.5
17.5°	12156.9	12073.2	12233.9	12185.4	11976.1
20°	8745.2	8767.0	9073.3	8919.3	8733.5
22.5°	6381.5	6460.1	6823.4	6426.7	6281.0
25°	4248.7	4409.4	4791.1	4297.3	4161.7
27.5°	2613.2	2686.8	3073.5	2579.7	2506.0
30°	1625.5	1588.7	1771.1	1520.0	1416.2
32.5°	1066.4	1019.5	1078.1	967.6	883.9
35°	713.1	728.2	683.0	678.0	572.5
37.5°	445.3	512.3	452.0	482.1	368.3
40°	287.9	371.6	319.7	353.2	271.2
42.5°	236.0	286.3	262.8	279.6	241.1
45°	187.5	232.7	232.7	232.7	189.2
47.5°	103.8	155.7	199.2	159.0	110.5
50°	58.6	78.7	154.0	82.0	61.9
52.5°	40.2	45.2	105.5	46.9	41.9
55°	30.1	31.8	56.9	33.5	31.8
57.5°	23.4	25.1	30.1	25.1	23.4
60°	18.4	18.4	21.8	20.1	18.4
62.5°	13.4	13.4	15.1	13.4	13.4
65°	10.0	10.0	10.0	10.0	10.0
67.5°	5.0	6.7	6.7	6.7	6.7
70°	5.0	3.3	3.3	3.3	5.0
72.5°	3.3	1.7	1.7	1.7	1.7
75°	0.0	0.0	1.7	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)