

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: P774173

Luminaire Tested: LD6D95BD010-EU6DR3070959024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774173
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-EU6DR3070959024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9355.6 lumens
Efficiency: N/A
Efficacy: 94.3 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

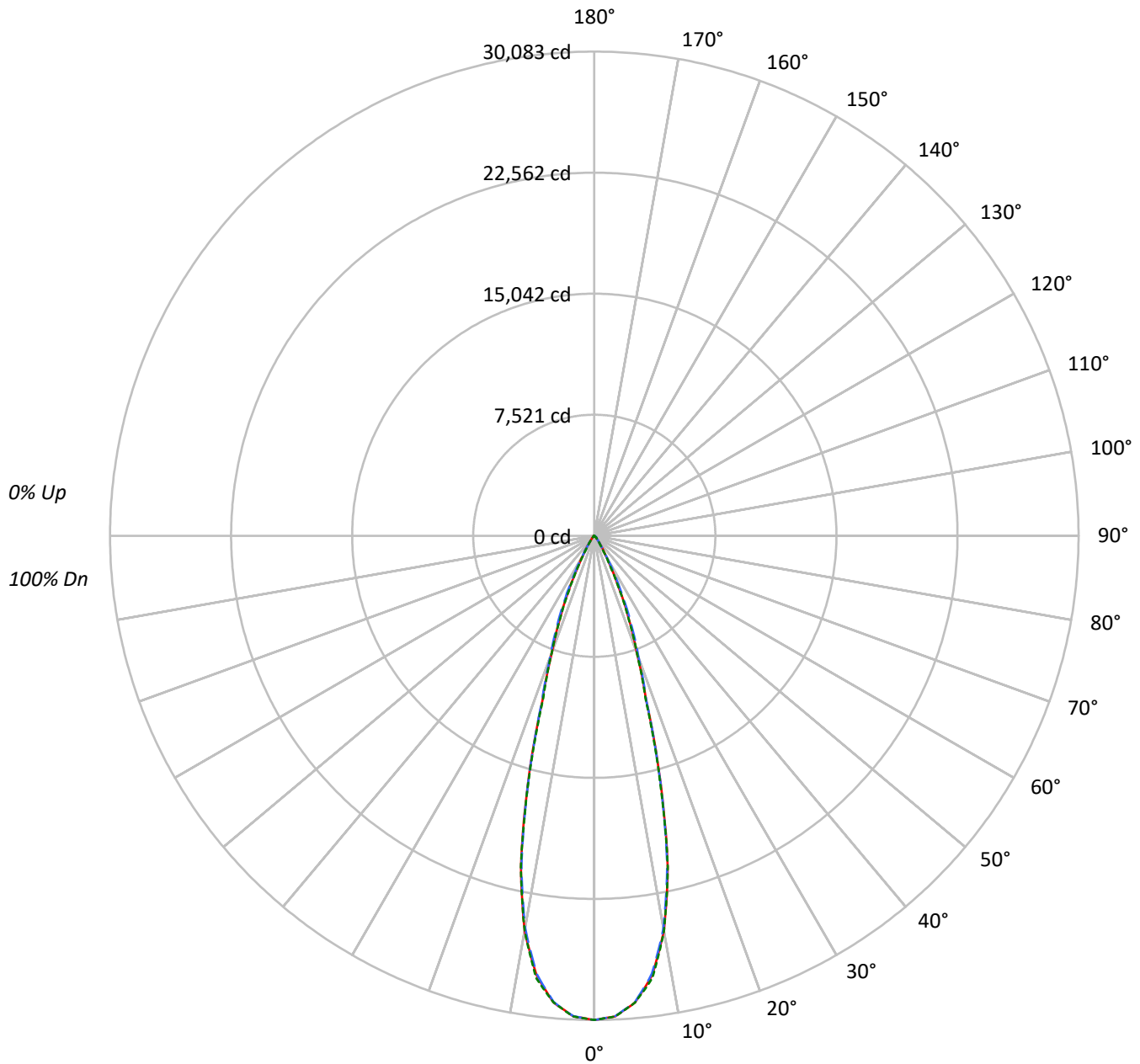


Downlight

TEST NUMBER: P774173

CATALOG NUMBER: LD6D95BD010-EU6DR3070959024-6LBDP1H

Luminous Intensity Polar Plot



TEST NUMBER: P774173

CATALOG NUMBER: LD6D95BD010-EU6DR3070959024-6LBDP1H

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°	2302640	2302640	2302640
5°	2236536	2233923	2236651
10°	1937175	1923519	1936716
15°	1263911	1257128	1250804
20°	628488	652062	627641
25°	316584	357005	310098
30°	126752	138110	110437
35°	58794	56308	47198
40°	25380	28188	23911
45°	17904	22223	18067
50°	6156	16183	6502
55°	3550	6699	3750
60°	2480	2939	2480
65°	1612	1612	1612
70°	985	671	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 22223 cd/sqm



TEST NUMBER: P774173

CATALOG NUMBER: LD6D95BD010-EU6DR3070959024-6LBPD1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2645.3	28.3
10°-20°	4260.3	45.5
20°-30°	1841.0	19.7
30°-40°	419.6	4.5
40°-50°	144.1	1.5
50°-60°	35.2	0.4
60°-70°	9.1	0.1
70°-80°	1.0	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°	8746.6	93.5
0°-40°	9166.3	98.0
0°-60°	9345.5	99.9
0°-90°	9355.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9355.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30083	30083	30083	30083	30083	
5°	29108	29080	29074	29135	29110	2648
15°	15950	15758	15864	15812	15784	4271
25°	3748	3890	4227	3791	3672	1794
35°	629	642	603	598	505	427
45°	165	205	205	205	167	117
55°	27	28	50	30	28	26
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P774173

CATALOG NUMBER: LD6D95BD010-EU6DR3070959024-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	30082.8	30082.8	30082.8	30082.8	30082.8
2.5°	29883.4	29862.7	29874.5	29889.3	29895.2
5°	29108.0	29079.9	29074.0	29134.6	29109.5
7.5°	27543.9	27504.0	27443.4	27580.8	27709.3
10°	24923.7	24879.4	24748.0	24813.0	24917.8
12.5°	21055.6	20912.3	20909.4	21116.1	21088.1
15°	15949.7	15757.7	15864.1	15812.4	15784.3
17.5°	10725.7	10651.9	10793.6	10750.8	10566.2
20°	7715.7	7734.9	8005.1	7869.3	7705.3
22.5°	5630.2	5699.6	6020.1	5670.1	5541.6
25°	3748.5	3890.3	4227.1	3791.4	3671.7
27.5°	2305.5	2370.5	2711.7	2276.0	2211.0
30°	1434.1	1401.6	1562.6	1341.1	1249.5
32.5°	940.8	899.5	951.2	853.7	779.8
35°	629.2	642.5	602.6	598.2	505.1
37.5°	392.9	452.0	398.8	425.4	324.9
40°	254.0	327.9	282.1	311.6	239.3
42.5°	208.3	252.6	231.9	246.7	212.7
45°	165.4	205.3	205.3	205.3	166.9
47.5°	91.6	137.4	175.8	140.3	97.5
50°	51.7	69.4	135.9	72.4	54.6
52.5°	35.4	39.9	93.0	41.4	36.9
55°	26.6	28.1	50.2	29.5	28.1
57.5°	20.7	22.2	26.6	22.2	20.7
60°	16.2	16.2	19.2	17.7	16.2
62.5°	11.8	11.8	13.3	11.8	11.8
65°	8.9	8.9	8.9	8.9	8.9
67.5°	4.4	5.9	5.9	5.9	5.9
70°	4.4	3.0	3.0	3.0	4.4
72.5°	3.0	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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)