

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: P774230

Luminaire Tested: LD6D95BD010-EU6DR3070959040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774230
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-EU6DR3070959040-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 12764.6 lumens
Efficiency: N/A
Efficacy: 128.7 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

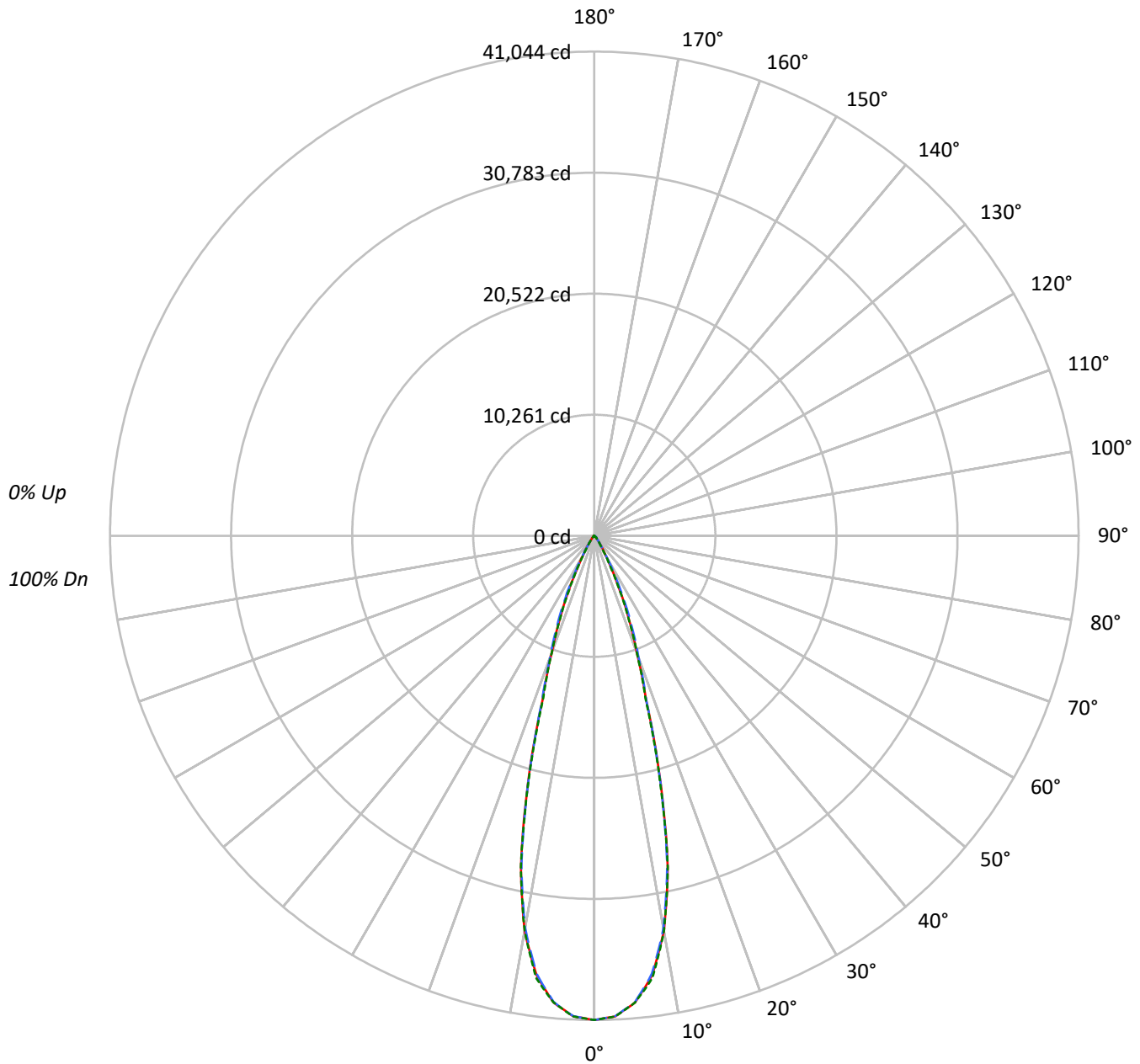


Downlight

TEST NUMBER: P774230

CATALOG NUMBER: LD6D95BD010-EU6DR3070959040-6LBS1LI

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					10
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°	3141678	3141678	3141678
5°	3051487	3047922	3051641
10°	2643050	2624412	2642421
15°	1724459	1715195	1706573
20°	857493	889668	856345
25°	431943	487085	423092
30°	172942	188436	150678
35°	80211	76828	64400
40°	34632	38459	32624
45°	24432	30320	24648
50°	8395	22078	8883
55°	4844	9141	5111
60°	3399	4011	3399
65°	2192	2192	2192
70°	1343	895	1343
75°	0	591	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 30320 cd/sqm

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CATALOG NUMBER: LD6D95BD010-EU6DR3070959040-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3609.2	28.3
10°-20°	5812.7	45.5
20°-30°	2511.8	19.7
30°-40°	572.5	4.5
40°-50°	196.6	1.5
50°-60°	48.0	0.4
60°-70°	12.4	0.1
70°-80°	1.3	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°	11933.7	93.5
0°-40°	12506.2	98.0
0°-60°	12750.8	99.9
0°-90°	12764.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12764.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	41044	41044	41044	41044	41044	
5°	39714	39676	39668	39751	39716	3612
15°	21762	21500	21645	21574	21536	5827
25°	5114	5308	5767	5173	5010	2448
35°	858	877	822	816	689	582
45°	226	280	280	280	228	160
55°	36	38	68	40	38	35
65°	12	12	12	12	12	12
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°	41044.4	41044.4	41044.4	41044.4	41044.4
2.5°	40772.3	40744.1	40760.2	40780.4	40788.4
5°	39714.4	39676.1	39668.0	39750.6	39716.4
7.5°	37580.3	37525.9	37443.3	37630.7	37806.0
10°	34005.5	33945.0	33765.7	33854.3	33997.4
12.5°	28727.8	28532.4	28528.3	28810.4	28772.2
15°	21761.5	21499.5	21644.6	21574.1	21535.8
17.5°	14633.9	14533.2	14726.6	14668.2	14416.3
20°	10527.1	10553.3	10922.1	10736.7	10513.0
22.5°	7681.7	7776.4	8213.7	7736.1	7560.8
25°	5114.4	5307.9	5767.3	5172.9	5009.6
27.5°	3145.6	3234.3	3699.8	3105.3	3016.7
30°	1956.7	1912.4	2132.0	1829.7	1704.8
32.5°	1283.6	1227.2	1297.7	1164.8	1064.0
35°	858.4	876.6	822.2	816.1	689.2
37.5°	536.0	616.6	544.1	580.4	443.3
40°	346.6	447.4	384.9	425.2	326.5
42.5°	284.1	344.6	316.4	336.5	290.2
45°	225.7	280.1	280.1	280.1	227.7
47.5°	124.9	187.4	239.8	191.4	133.0
50°	70.5	94.7	185.4	98.7	74.6
52.5°	48.4	54.4	127.0	56.4	50.4
55°	36.3	38.3	68.5	40.3	38.3
57.5°	28.2	30.2	36.3	30.2	28.2
60°	22.2	22.2	26.2	24.2	22.2
62.5°	16.1	16.1	18.1	16.1	16.1
65°	12.1	12.1	12.1	12.1	12.1
67.5°	6.0	8.1	8.1	8.1	8.1
70°	6.0	4.0	4.0	4.0	6.0
72.5°	4.0	2.0	2.0	2.0	2.0
75°	0.0	0.0	2.0	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)