

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: P774462

Luminaire Tested: LD6D95BD010-EU6DR4570959040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR4570959040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11940.8 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' 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

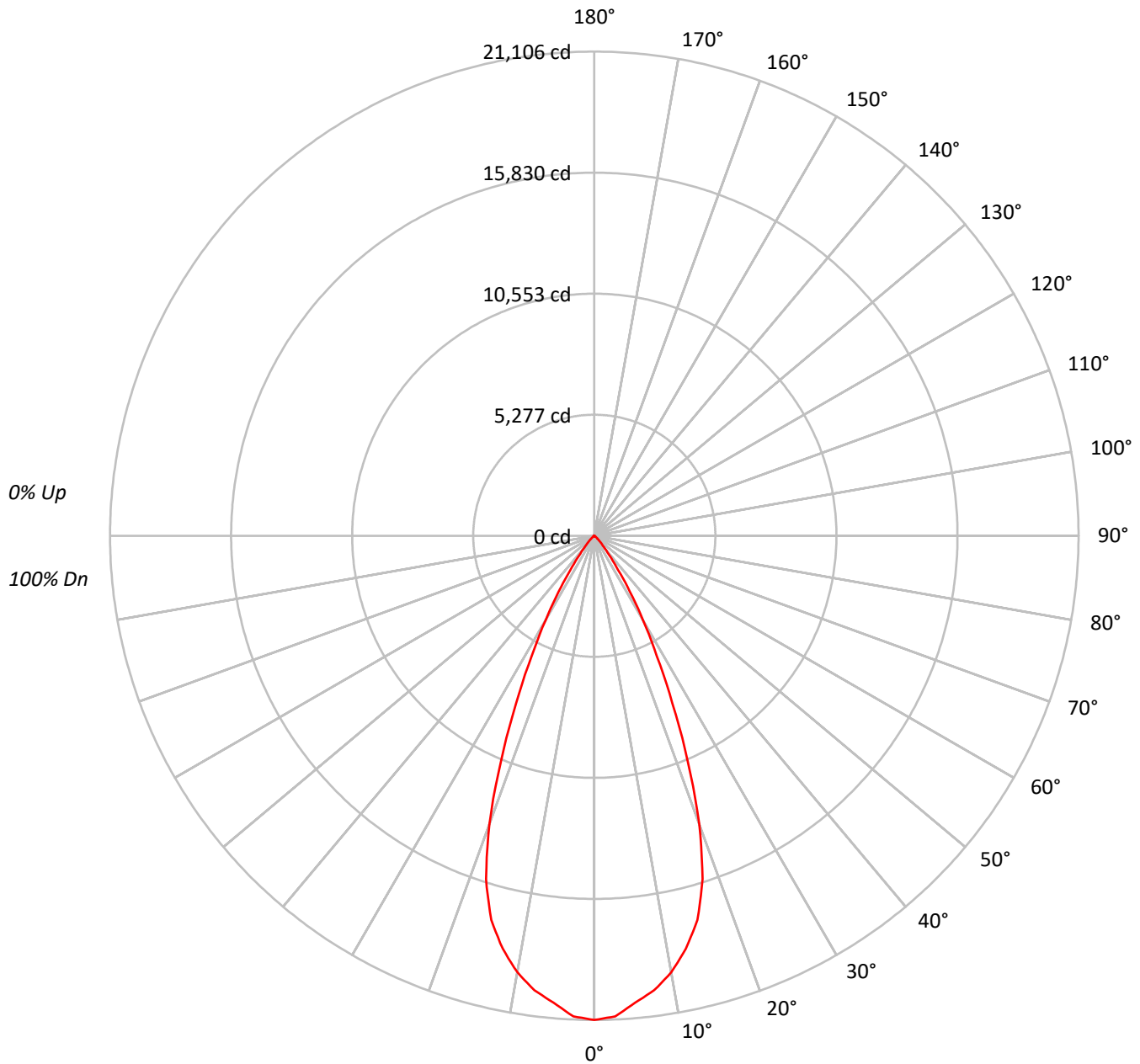


Downlight

TEST NUMBER: P774462

CATALOG NUMBER: LD6D95BD010-EU6DR4570959040-6LBS1B

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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	114	112	110	108	112	110	108	106		106	104	103			102	101	100			95
2	109	105	102	99	107	103	100	98		100	98	95			97	95	93			90
3	105	99	95	91	103	98	94	91		95	92	89			93	90	88			85
4	100	94	89	85	99	93	88	85		91	87	84			89	86	83			81
5	96	89	84	80	95	88	83	80		86	82	79			85	81	79			77
6	92	85	80	76	91	84	79	76		83	78	75			81	77	75			73
7	89	81	75	72	87	80	75	72		79	74	71			78	74	71			69
8	85	77	72	68	84	76	71	68		75	71	68			74	70	67			66
9	82	73	68	65	81	73	68	65		72	68	65			71	67	64			63
10	79	70	65	62	78	70	65	62		69	65	62			68	64	61			60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2306014
5°	2240351
10°	2143416
15°	1961675
20°	1556289
25°	971608
30°	535526
35°	240462
40°	94706
45°	44625
50°	21162
55°	11067
60°	5441
65°	1293
70°	543
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44625 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1919.3	16.1
10°-20°	4723.6	39.6
20°-30°	3740.6	31.3
30°-40°	1245.7	10.4
40°-50°	247.2	2.1
50°-60°	56.1	0.5
60°-70°	8.1	0.1
70°-80°	0.2	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°	10383.4	87.0
0°-40°	11629.1	97.4
0°-60°	11932.5	99.9
0°-90°	11940.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11940.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21106	
5°	20427	###
15°	17342	4724
25°	8059	3741
35°	1803	1246
45°	289	247
55°	58	56
65°	5	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21105.6
2.5°	20967.8
5°	20426.6
7.5°	19980.1
10°	19319.4
12.5°	18439.6
15°	17342.3
17.5°	15692.2
20°	13384.8
22.5°	10635.8
25°	8059.4
27.5°	5901.4
30°	4244.7
32.5°	2886.8
35°	1802.8
37.5°	1069.1
40°	664.0
42.5°	436.6
45°	288.8
47.5°	185.9
50°	124.5
52.5°	83.0
55°	58.1
57.5°	38.2
60°	24.9
62.5°	13.3
65°	5.0
67.5°	1.7
70°	1.7
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)