

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: P774540

Luminaire Tested: LD6D95BD010-EU6DR5070959040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR5070959040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12219.7 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

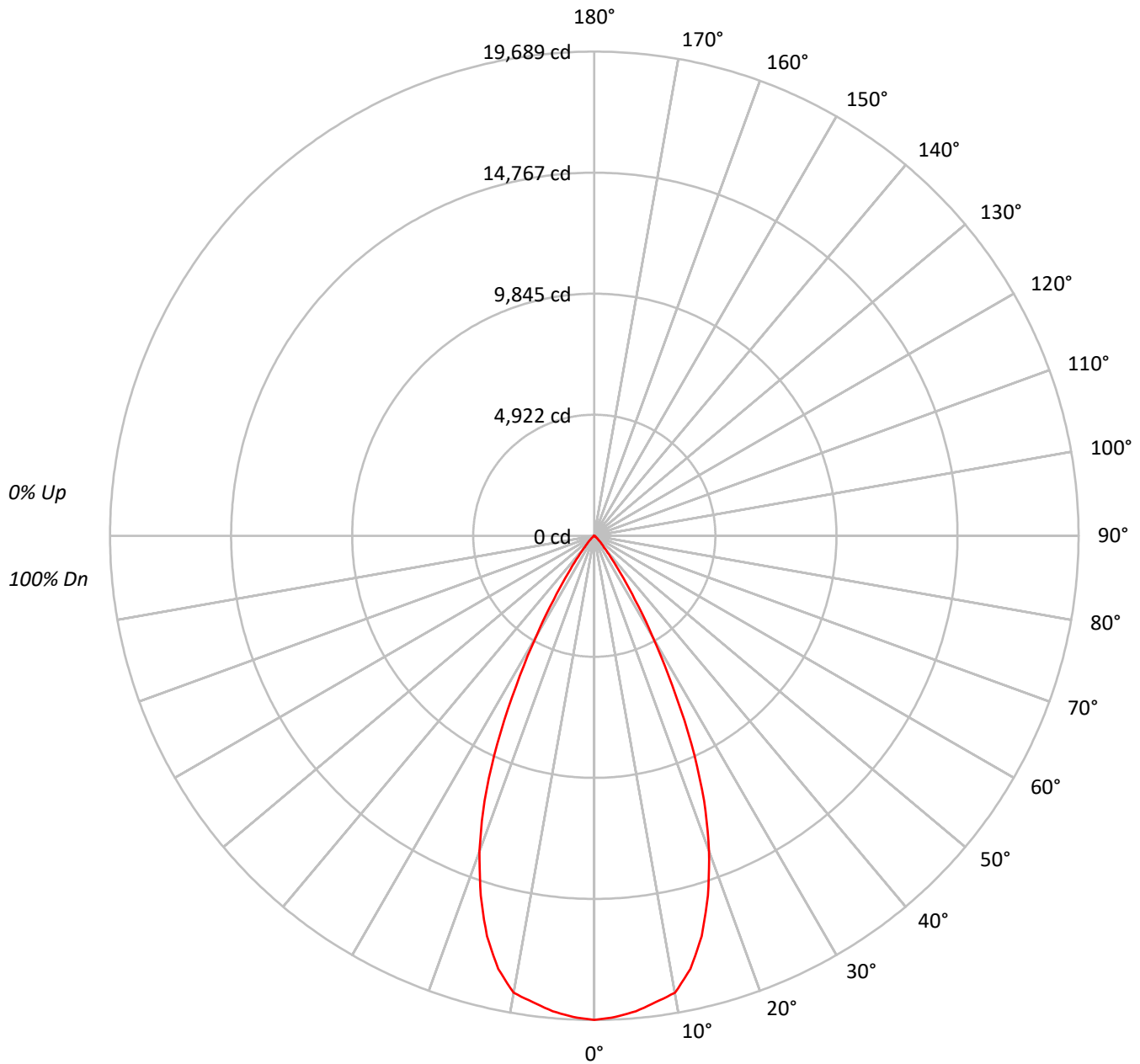


Downlight

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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					10
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			50
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	114	112	109	107		112	110	108	106		106	104	102			102	101	99			98
2	109	105	101	98		107	103	100	97		100	98	95			97	95	93			95
3	105	99	95	91		103	98	94	90		95	92	89			93	90	88			91
4	100	94	89	85		99	93	88	85		90	87	84			89	85	83			87
5	96	89	84	80		95	88	83	79		86	82	79			85	81	78			83
6	92	84	79	75		91	83	79	75		82	78	74			81	77	74			79
7	88	80	75	71		87	79	74	71		78	74	71			77	73	70			76
8	85	76	71	67		84	76	71	67		75	70	67			74	70	67			73
9	81	73	68	64		80	72	67	64		71	67	64			71	67	64			70
10	78	70	64	61		77	69	64	61		68	64	61			68	64	61			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2151224
5°	2128677
10°	2093623
15°	1906407
20°	1586346
25°	1126077
30°	596034
35°	242890
40°	90199
45°	41303
50°	16930
55°	8858
60°	4349
65°	1293
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41303 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1834.5	15.0
10°-20°	4636.1	37.9
20°-30°	4164.5	34.1
30°-40°	1303.9	10.7
40°-50°	228.3	1.9
50°-60°	45.5	0.4
60°-70°	6.9	0.1
70°-80°	0.0	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°	10635.1	87.0
0°-40°	11939.0	97.7
0°-60°	12212.8	99.9
0°-90°	12219.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12219.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19689	
5°	19408	###
15°	16854	4636
25°	9341	4164
35°	1821	1304
45°	267	228
55°	46	46
65°	5	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19688.9
2.5°	19591.0
5°	19408.4
7.5°	19129.5
10°	18870.6
12.5°	18040.6
15°	16853.7
17.5°	15346.4
20°	13643.3
22.5°	11672.9
25°	9340.7
27.5°	6867.3
30°	4724.3
32.5°	3075.9
35°	1821.0
37.5°	1045.8
40°	632.4
42.5°	411.7
45°	267.3
47.5°	162.7
50°	99.6
52.5°	68.1
55°	46.5
57.5°	31.5
60°	19.9
62.5°	11.6
65°	5.0
67.5°	1.7
70°	0.0
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)