

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: P774774

Luminaire Tested: LD6D95BD010-EU6DR6570959040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10128.1 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

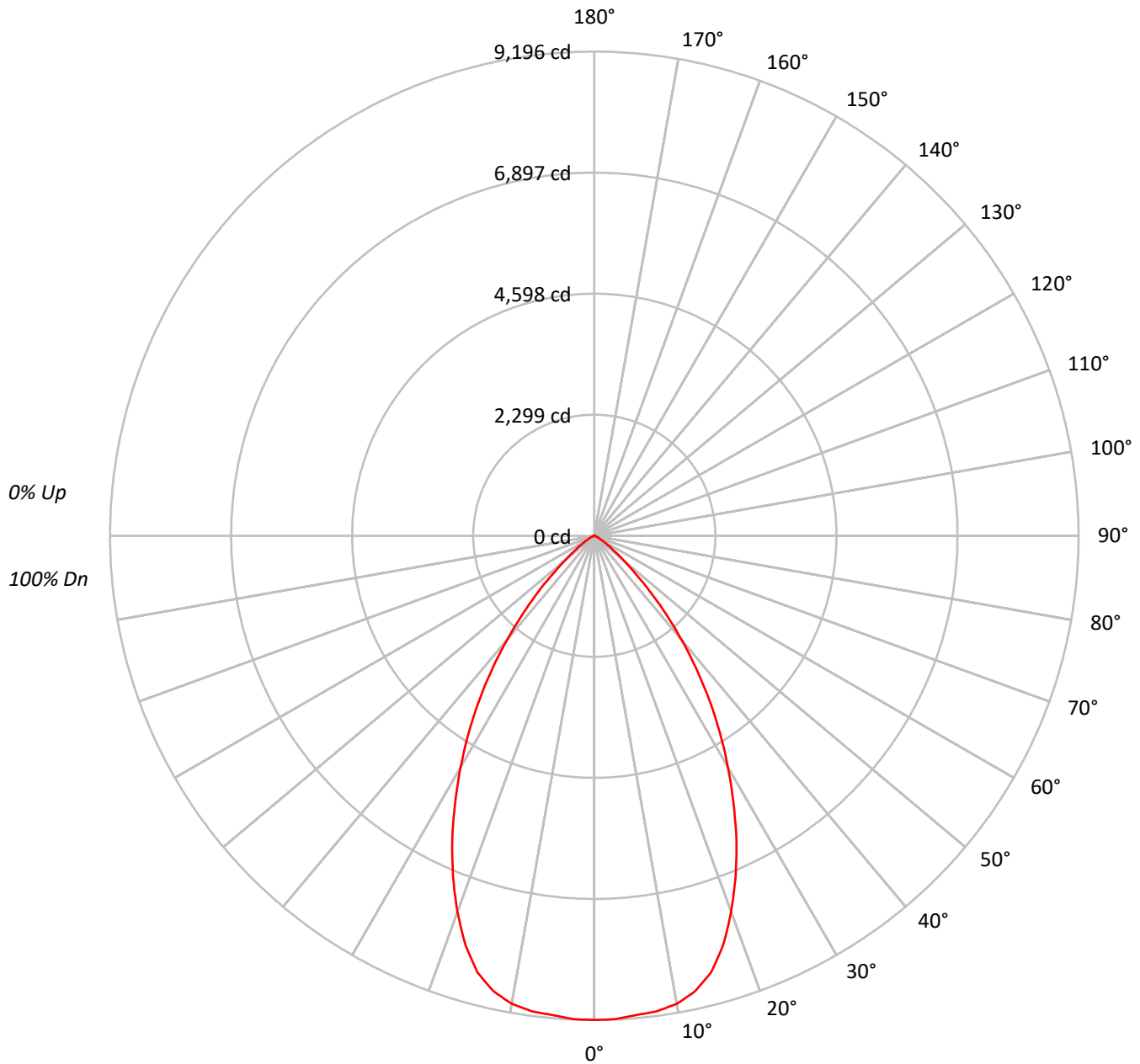


Downlight

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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	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	537076
5°	535721
10°	535268
15°	518764
20°	472269
25°	411556
30°	342300
35°	271217
40°	195756
45°	123670
50°	64465
55°	34264
60°	18000
65°	9895
70°	4150
75°	4581
80°	3195
85°	2747

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 123670 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	869.6	8.6
10°-20°	2381.4	23.5
20°-30°	2910.9	28.7
30°-40°	2361.8	23.3
40°-50°	1176.9	11.6
50°-60°	328.3	3.2
60°-70°	74.6	0.7
70°-80°	19.4	0.2
80°-90°	5.0	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°	6162.0	60.8
0°-40°	8523.8	84.2
0°-60°	10029.0	99.0
0°-90°	10128.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10128.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9196	
5°	9138	870
15°	8580	2381
25°	6386	2911
35°	3804	2362
45°	1497	1177
55°	336	328
65°	72	75
75°	20	19
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9195.9
2.5°	9189.2
5°	9137.8
7.5°	9108.1
10°	9025.7
12.5°	8858.1
15°	8579.7
17.5°	8144.6
20°	7598.6
22.5°	7009.4
25°	6386.5
27.5°	5720.3
30°	5075.7
32.5°	4439.2
35°	3804.0
37.5°	3170.3
40°	2567.6
42.5°	2002.7
45°	1497.3
47.5°	1043.2
50°	709.5
52.5°	489.2
55°	336.5
57.5°	227.0
60°	154.1
62.5°	106.8
65°	71.6
67.5°	36.5
70°	24.3
72.5°	23.0
75°	20.3
77.5°	13.5
80°	9.5
82.5°	6.8
85°	4.1
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)