

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: P756697

Luminaire Tested: LD4D95BD010-EU4DR6570959035-4LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756697
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: LD4D95BD010-EU4DR6570959035-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7618.6 lumens
Efficiency: N/A
Efficacy: 76.8 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

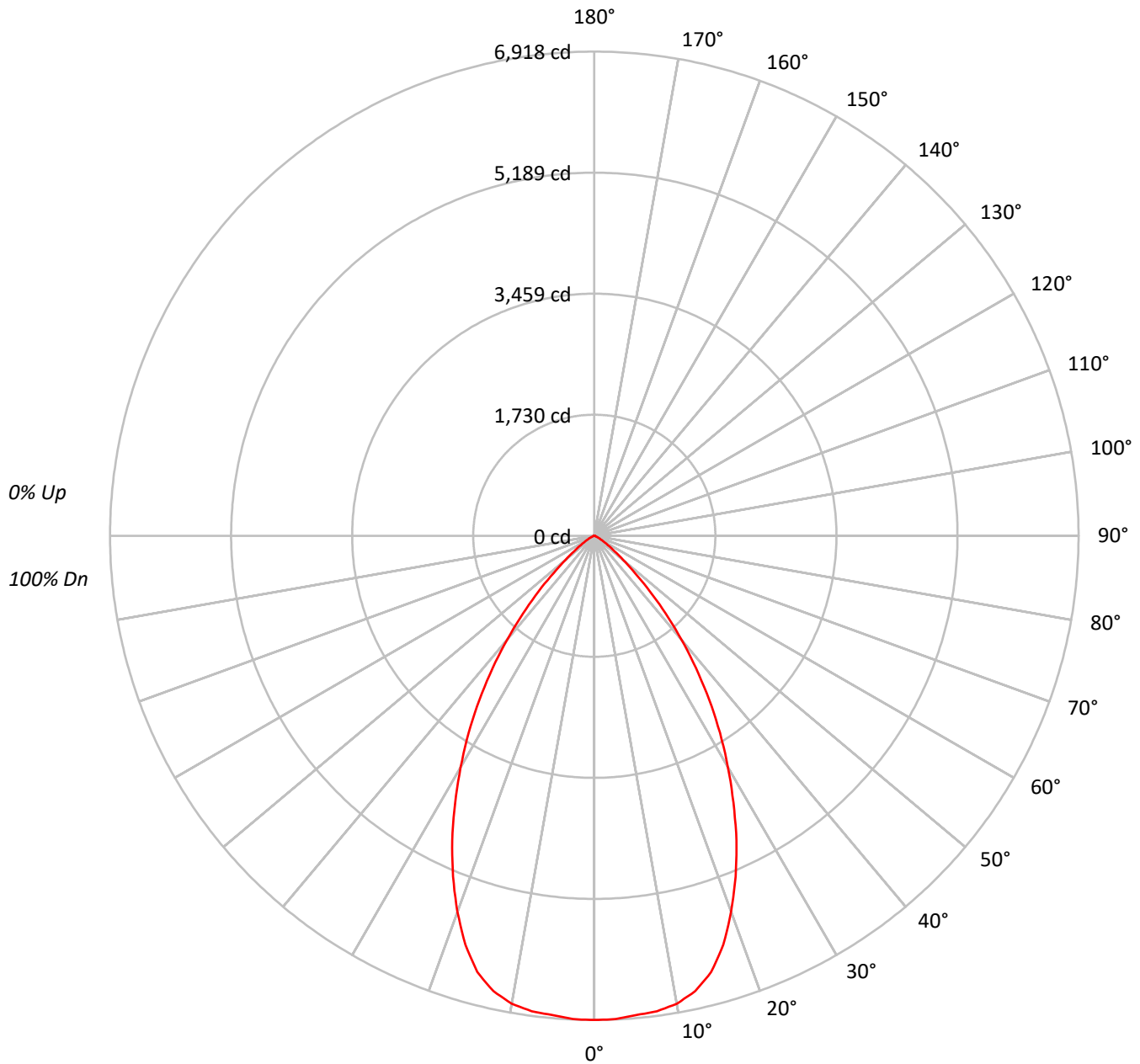


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	404009
5°	402990
10°	402644
15°	390229
20°	355255
25°	309584
30°	257489
35°	204019
40°	147252
45°	93027
50°	48492
55°	25772
60°	13538
65°	7449
70°	3125
75°	3430
80°	2388
85°	2010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 93027 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.2	8.6
10°-20°	1791.4	23.5
20°-30°	2189.7	28.7
30°-40°	1776.6	23.3
40°-50°	885.3	11.6
50°-60°	246.9	3.2
60°-70°	56.1	0.7
70°-80°	14.6	0.2
80°-90°	3.7	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°	4635.2	60.8
0°-40°	6411.9	84.2
0°-60°	7544.1	99.0
0°-90°	7618.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7618.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6918	
5°	6874	654
15°	6454	1791
25°	4804	2190
35°	2862	1777
45°	1126	885
55°	253	247
65°	54	56
75°	15	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6917.5
2.5°	6912.4
5°	6873.8
7.5°	6851.4
10°	6789.4
12.5°	6663.3
15°	6453.9
17.5°	6126.6
20°	5715.9
22.5°	5272.7
25°	4804.1
27.5°	4303.0
30°	3818.1
32.5°	3339.3
35°	2861.5
37.5°	2384.8
40°	1931.4
42.5°	1506.5
45°	1126.3
47.5°	784.8
50°	533.7
52.5°	368.0
55°	253.1
57.5°	170.8
60°	115.9
62.5°	80.3
65°	53.9
67.5°	27.4
70°	18.3
72.5°	17.3
75°	15.2
77.5°	10.2
80°	7.1
82.5°	5.1
85°	3.0
87.5°	2.0
90°	0.0



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— 0°-180°







(END OF REPORT)