

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: P756712

Luminaire Tested: LD4D95BD010-EU4DR6570959040-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756712
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-EU4DR6570959040-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9018.7 lumens
Efficiency: N/A
Efficacy: 90.9 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

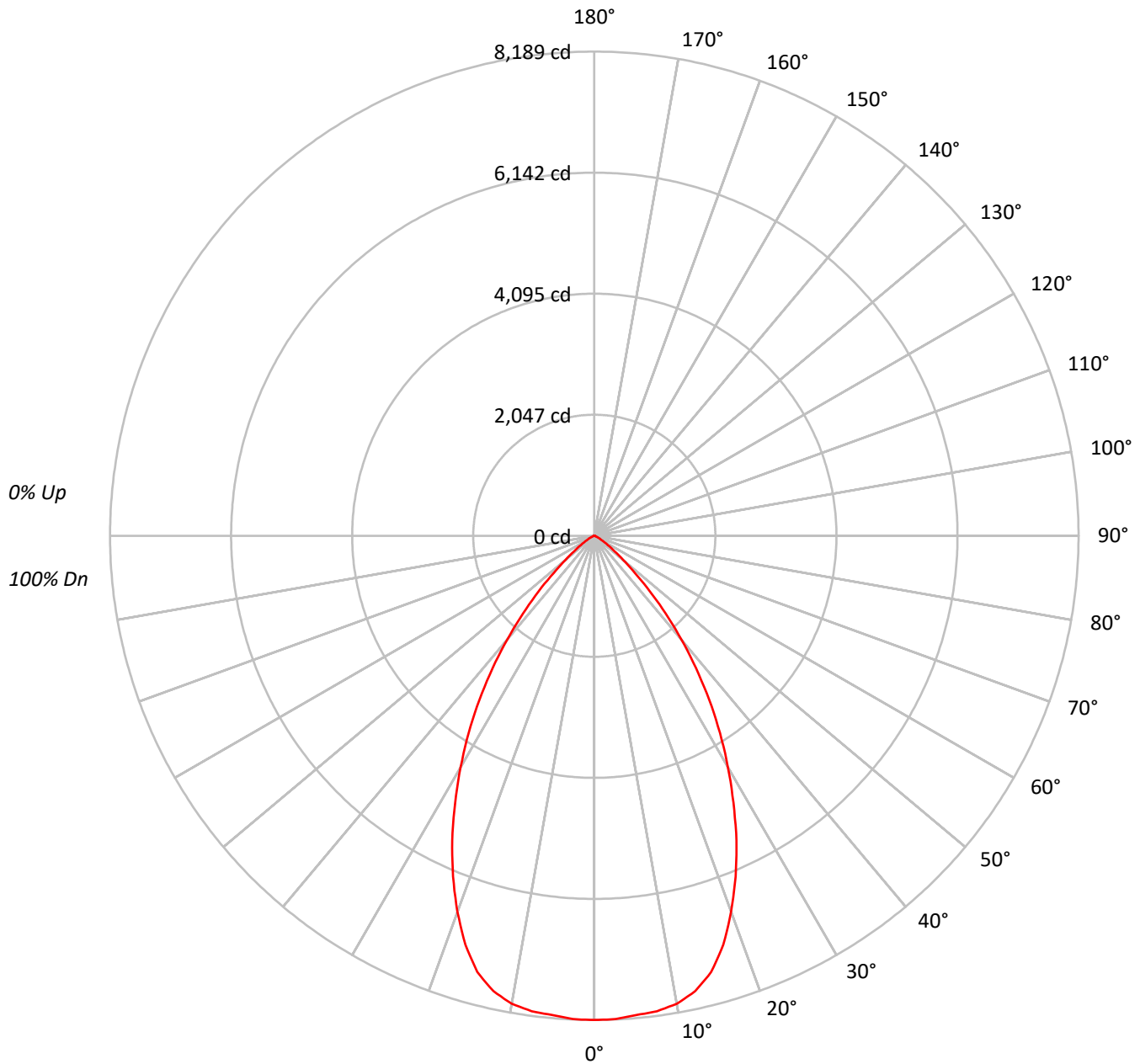


Downlight

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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					0
RW	70	50	30	10	70	50	30	10	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	100		
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	478252
5°	477048
10°	476639
15°	461946
20°	420546
25°	366479
30°	304804
35°	241515
40°	174309
45°	110125
50°	57406
55°	30506
60°	16026
65°	8817
70°	3706
75°	4084
80°	2825
85°	2412

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 110125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	774.4	8.6
10°-20°	2120.6	23.5
20°-30°	2592.1	28.7
30°-40°	2103.1	23.3
40°-50°	1048.0	11.6
50°-60°	292.3	3.2
60°-70°	66.5	0.7
70°-80°	17.3	0.2
80°-90°	4.4	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°	5487.1	60.8
0°-40°	7590.2	84.2
0°-60°	8930.6	99.0
0°-90°	9018.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9018.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8189	
5°	8137	774
15°	7640	2121
25°	5687	2592
35°	3387	2103
45°	1333	1048
55°	300	292
65°	64	66
75°	18	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8188.7
2.5°	8182.7
5°	8137.0
7.5°	8110.5
10°	8037.1
12.5°	7887.9
15°	7640.0
17.5°	7252.5
20°	6766.4
22.5°	6241.7
25°	5687.0
27.5°	5093.7
30°	4519.7
32.5°	3953.0
35°	3387.4
37.5°	2823.0
40°	2286.3
42.5°	1783.4
45°	1333.3
47.5°	929.0
50°	631.8
52.5°	435.6
55°	299.6
57.5°	202.2
60°	137.2
62.5°	95.1
65°	63.8
67.5°	32.5
70°	21.7
72.5°	20.5
75°	18.1
77.5°	12.0
80°	8.4
82.5°	6.0
85°	3.6
87.5°	2.4
90°	0.0



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— 0°-180°







(END OF REPORT)