

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: P779385

Luminaire Tested: LER4D08D010-EC4DR600210IC9027-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P779385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D08D010-EC4DR600210IC9027-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 764.2 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
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



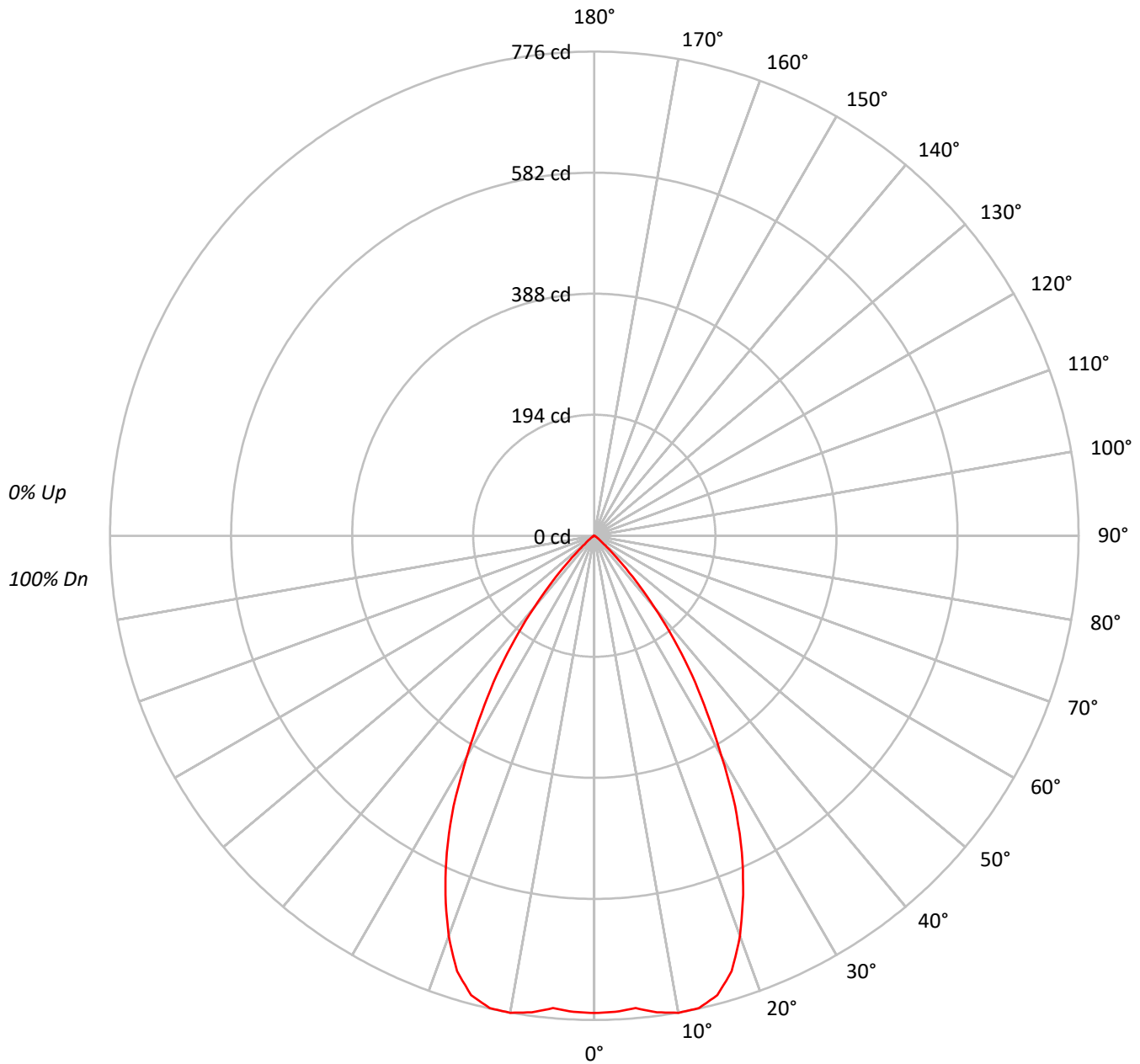
Downlight



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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	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	102	102	102	100						
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94						
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87						
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81						
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75						
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70						
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65						
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61						
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57						
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53						
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83563
5°	83355
10°	86128
15°	86216
20°	79333
25°	67475
30°	51412
35°	36360
40°	21352
45°	8607
50°	2873
55°	1391
60°	568
65°	78
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8607 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	9.6
10°-20°	211.2	27.6
20°-30°	252.7	33.1
30°-40°	169.0	22.1
40°-50°	50.1	6.6
50°-60°	7.2	0.9
60°-70°	0.7	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°	537.2	70.3
0°-40°	706.2	92.4
0°-60°	763.5	99.9
0°-90°	764.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	764.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	765	
5°	760	73
15°	762	211
25°	560	253
35°	273	169
45°	56	50
55°	7	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	764.8
2.5°	763.8
5°	760.0
7.5°	770.3
10°	776.3
12.5°	775.2
15°	762.2
17.5°	731.5
20°	682.3
22.5°	623.1
25°	559.7
27.5°	488.2
30°	407.5
32.5°	335.5
35°	272.6
37.5°	209.5
40°	149.7
42.5°	98.7
45°	55.7
47.5°	28.5
50°	16.9
52.5°	10.9
55°	7.3
57.5°	4.6
60°	2.6
62.5°	1.1
65°	0.3
67.5°	0.1
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)