

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: P751184

Luminaire Tested: LD4D60D010-EU4DR6055659050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR6055659050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5821.3 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
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

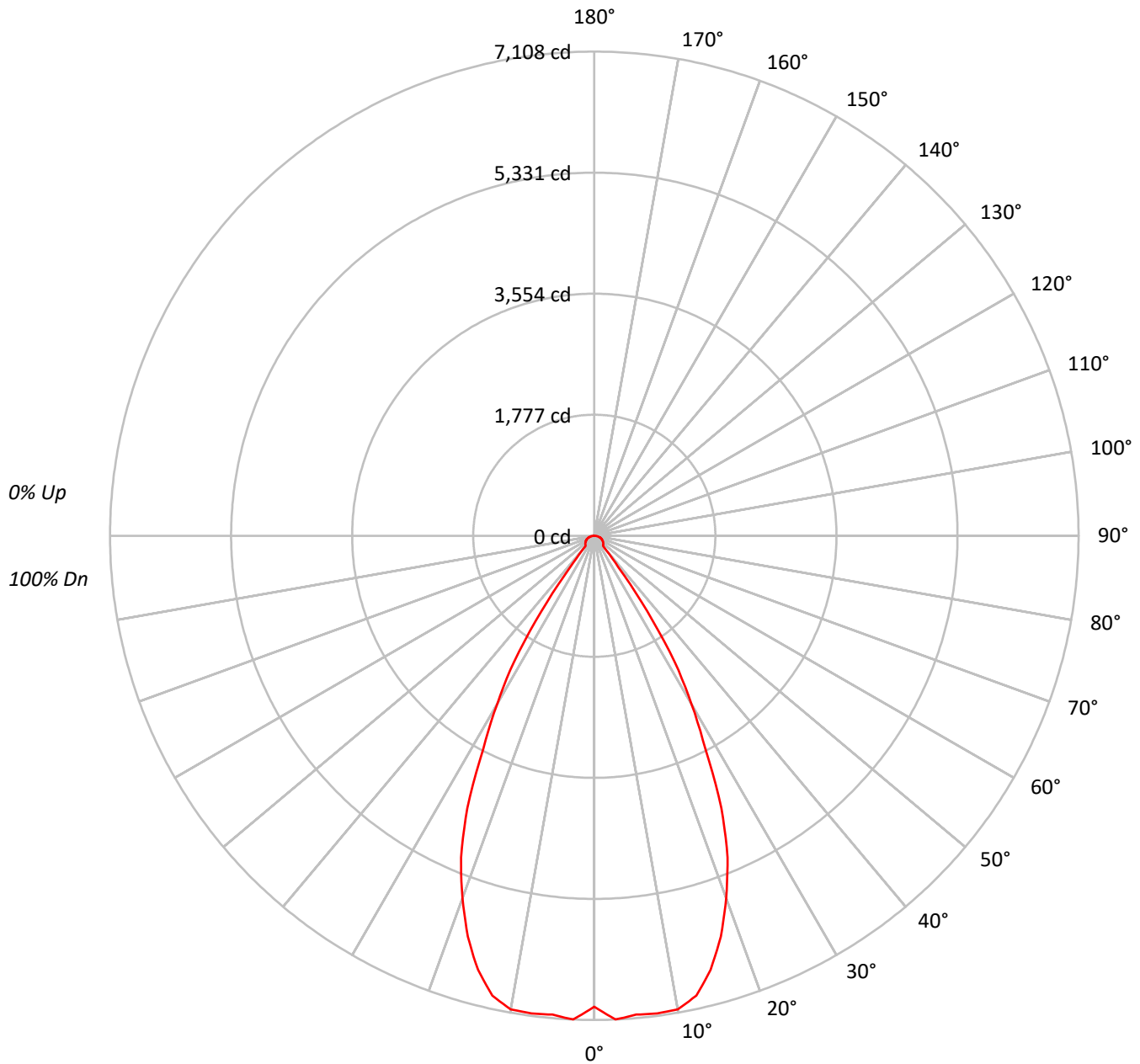


Downlight

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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	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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	755374
5°	773944
10°	783292
15°	746197
20°	657907
25°	532134
30°	359944
35°	180373
40°	29253
45°	28632
50°	29202
55°	29659
60°	30484
65°	31179
70°	31914
75°	32295
80°	31146
85°	25950

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 32295 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.4	11.6
10°-20°	1824.7	31.3
20°-30°	1963.2	33.7
30°-40°	853.4	14.7
40°-50°	143.3	2.5
50°-60°	139.4	2.4
60°-70°	119.2	2.0
70°-80°	79.8	1.4
80°-90°	23.9	0.4
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°	4462.3	76.7
0°-40°	5315.7	91.3
0°-60°	5598.4	96.2
0°-90°	5821.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5821.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6914	
5°	7056	674
15°	6597	1825
25°	4414	1963
35°	1352	853
45°	185	143
55°	156	139
65°	121	119
75°	76	80
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6913.5
2.5°	7107.8
5°	7056.5
7.5°	7072.7
10°	7060.1
12.5°	6914.4
15°	6596.8
17.5°	6170.3
20°	5658.3
22.5°	5110.4
25°	4414.0
27.5°	3530.5
30°	2853.0
32.5°	2198.9
35°	1352.3
37.5°	578.5
40°	205.1
42.5°	188.9
45°	185.3
47.5°	179.0
50°	171.8
52.5°	163.7
55°	155.7
57.5°	147.6
60°	139.5
62.5°	130.5
65°	120.6
67.5°	110.7
70°	99.9
72.5°	88.2
75°	76.5
77.5°	63.0
80°	49.5
82.5°	35.1
85°	20.7
87.5°	7.2
90°	0.0



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— 0°-180°







(END OF REPORT)