

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: P751262

Luminaire Tested: LD4D60D010-EU4DR6555659050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751262
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR6555659050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4846.0 lumens
Efficiency: N/A
Efficacy: 75.2 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): 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

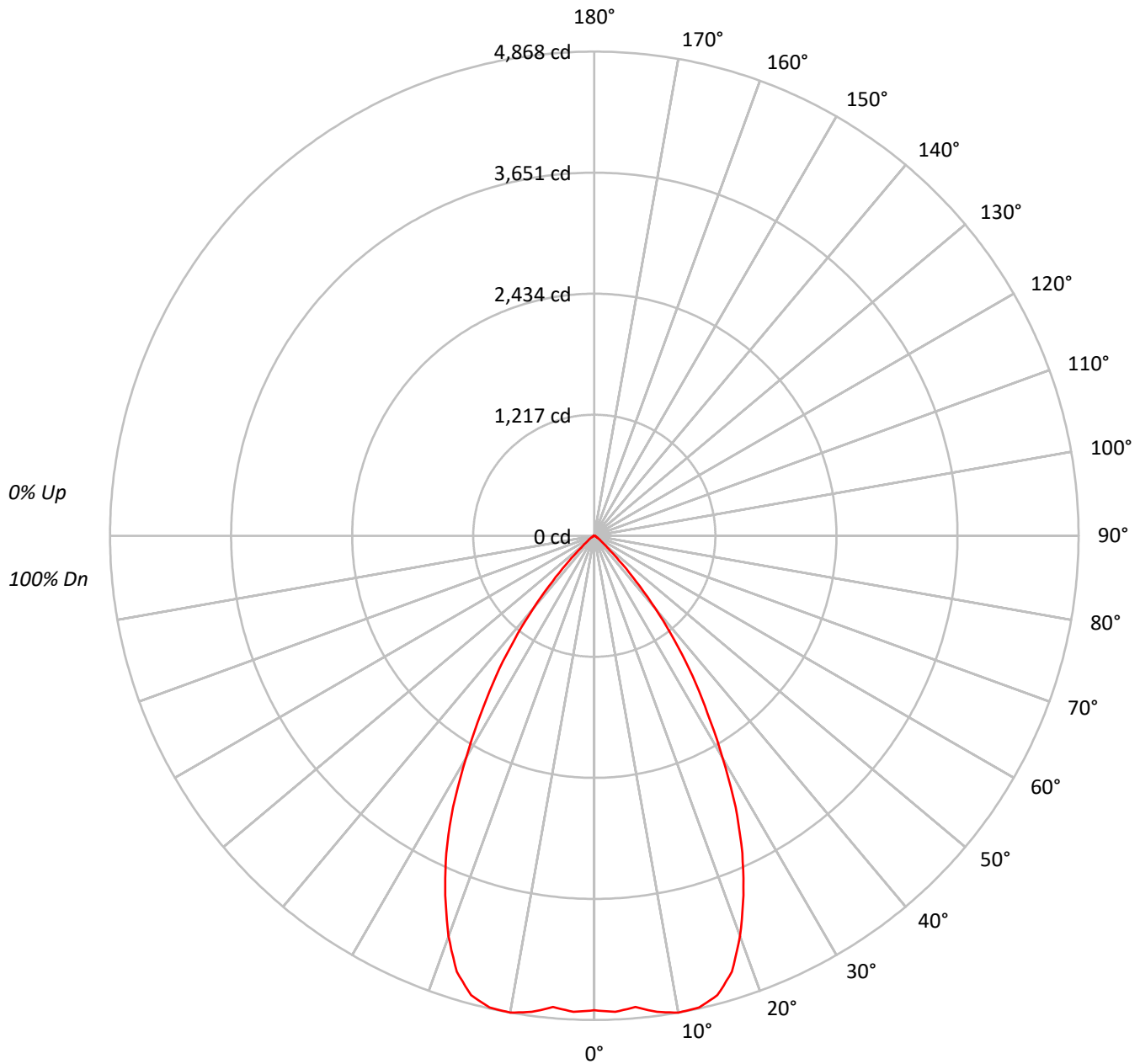


Downlight

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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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	521305
5°	521728
10°	540098
15°	540995
20°	498078
25°	424381
30°	324884
35°	229525
40°	135484
45°	55008
50°	19939
55°	11106
60°	6381
65°	3516
70°	3674
75°	2871
80°	2957
85°	2507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55008 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.4	9.5
10°-20°	1325.2	27.3
20°-30°	1590.0	32.8
30°-40°	1068.6	22.1
40°-50°	319.9	6.6
50°-60°	56.5	1.2
60°-70°	16.1	0.3
70°-80°	7.9	0.2
80°-90°	2.5	0.1
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°	3374.7	69.6
0°-40°	4443.2	91.7
0°-60°	4819.6	99.5
0°-90°	4846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4846.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4771	
5°	4757	459
15°	4783	1325
25°	3520	1590
35°	1721	1069
45°	356	320
55°	58	56
65°	14	16
75°	7	8
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4771.2
2.5°	4791.5
5°	4756.9
7.5°	4828.8
10°	4868.1
12.5°	4858.6
15°	4782.7
17.5°	4596.9
20°	4283.7
22.5°	3914.8
25°	3520.2
27.5°	3074.8
30°	2575.1
32.5°	2122.2
35°	1720.8
37.5°	1324.2
40°	949.9
42.5°	620.4
45°	356.0
47.5°	188.5
50°	117.3
52.5°	81.4
55°	58.3
57.5°	42.0
60°	29.2
62.5°	19.0
65°	13.6
67.5°	12.2
70°	11.5
72.5°	8.8
75°	6.8
77.5°	6.1
80°	4.7
82.5°	3.4
85°	2.0
87.5°	1.4
90°	0.0



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— 0°-180°







(END OF REPORT)