

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: P751923

Luminaire Tested: LD4D65D010-EU4DR6055659030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751923
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: LD4D65D010-EU4DR6055659030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6673.3 lumens
Efficiency: N/A
Efficacy: 91.7 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): 72.8
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

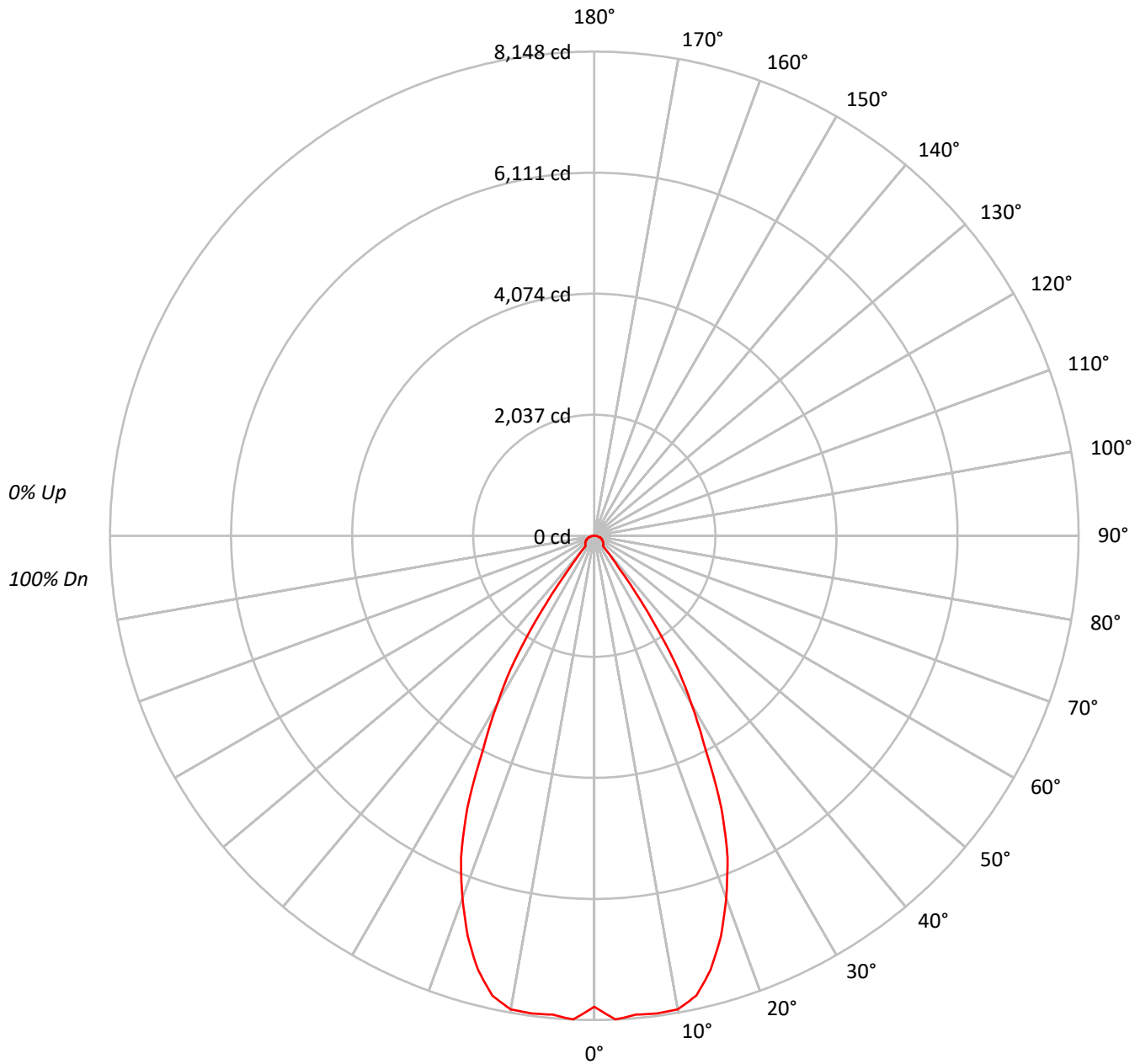


Downlight

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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°	865924
5°	887219
10°	897933
15°	855410
20°	754204
25°	610025
30°	412630
35°	206770
40°	33547
45°	32835
50°	33486
55°	33983
60°	34942
65°	35729
70°	36578
75°	37023
80°	35676
85°	29711

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 37023 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	773.1	11.6
10°-20°	2091.8	31.3
20°-30°	2250.6	33.7
30°-40°	978.3	14.7
40°-50°	164.3	2.5
50°-60°	159.8	2.4
60°-70°	136.7	2.0
70°-80°	91.4	1.4
80°-90°	27.3	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°	5115.5	76.7
0°-40°	6093.8	91.3
0°-60°	6417.8	96.2
0°-90°	6673.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6673.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7925	
5°	8089	773
15°	7562	2092
25°	5060	2251
35°	1550	978
45°	212	164
55°	178	160
65°	138	137
75°	88	91
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7925.3
2.5°	8148.1
5°	8089.3
7.5°	8107.9
10°	8093.4
12.5°	7926.3
15°	7562.3
17.5°	7073.4
20°	6486.5
22.5°	5858.4
25°	5060.1
27.5°	4047.2
30°	3270.6
32.5°	2520.8
35°	1550.2
37.5°	663.2
40°	235.2
42.5°	216.6
45°	212.5
47.5°	205.2
50°	197.0
52.5°	187.7
55°	178.4
57.5°	169.2
60°	159.9
62.5°	149.6
65°	138.2
67.5°	126.9
70°	114.5
72.5°	101.1
75°	87.7
77.5°	72.2
80°	56.7
82.5°	40.2
85°	23.7
87.5°	8.3
90°	0.0



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— 0°-180°







(END OF REPORT)