

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: P751312

Luminaire Tested: LD4D60D010-EU4DR7055659035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR7055659035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6137.3 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

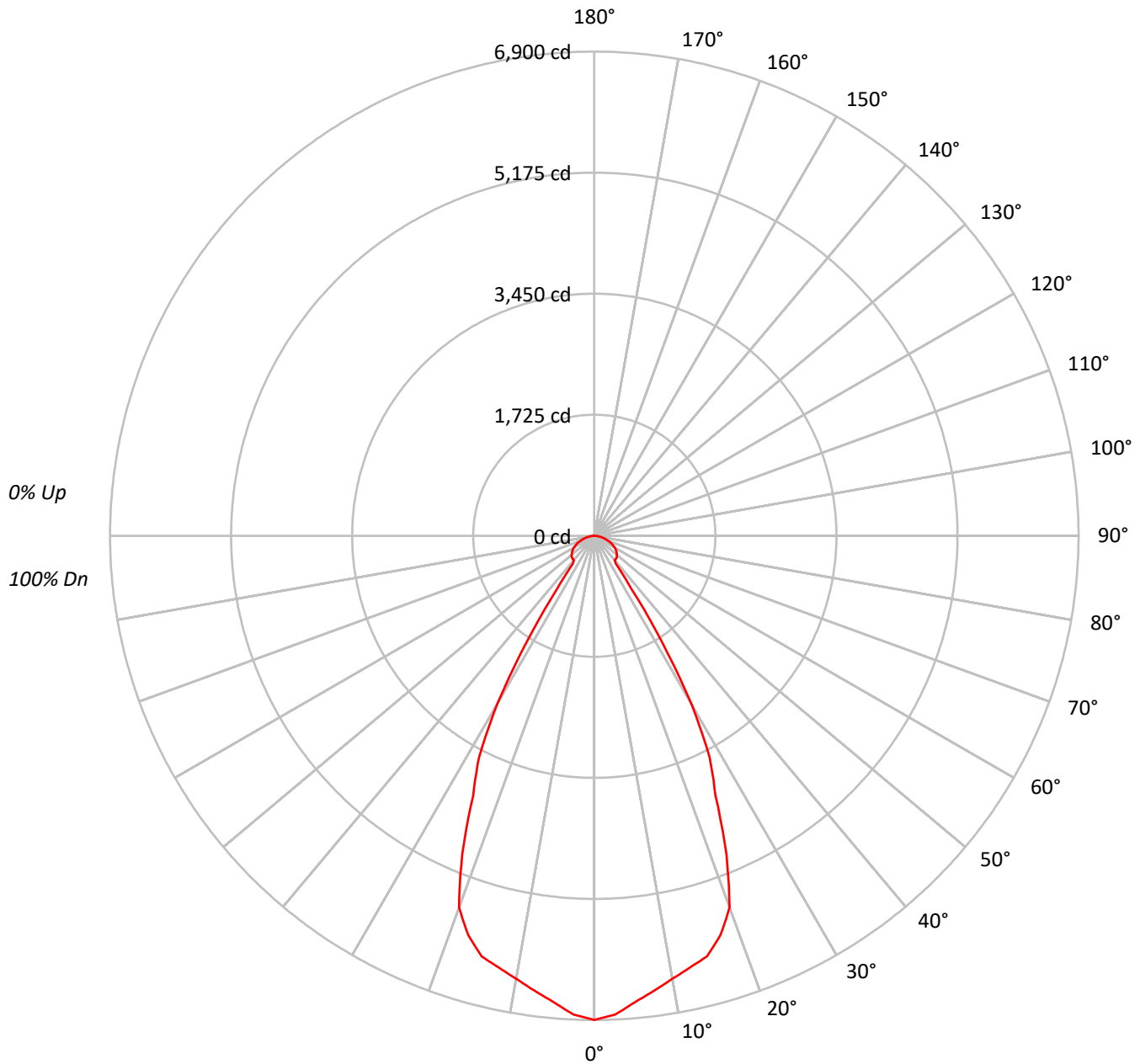


Downlight

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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					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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	753910
5°	731509
10°	711121
15°	701788
20°	655326
25°	492314
30°	348022
35°	123272
40°	64825
45°	69039
50°	71493
55°	72843
60°	73292
65°	71743
70°	67693
75°	62732
80°	55685
85°	45256

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 73308 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.1	10.3
10°-20°	1725.6	28.1
20°-30°	1900.5	31.0
30°-40°	726.1	11.8
40°-50°	342.9	5.6
50°-60°	340.8	5.6
60°-70°	272.9	4.4
70°-80°	156.9	2.6
80°-90°	42.7	0.7
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°	4255.1	69.3
0°-40°	4981.2	81.2
0°-60°	5664.9	92.3
0°-90°	6137.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6137.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6900	
5°	6670	629
15°	6204	1726
25°	4084	1900
35°	924	726
45°	447	343
55°	382	341
65°	278	273
75°	149	157
85°	36	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6900.1
2.5°	6828.0
5°	6669.6
7.5°	6537.4
10°	6409.6
12.5°	6301.4
15°	6204.2
17.5°	5969.3
20°	5636.1
22.5°	4917.3
25°	4083.7
27.5°	3554.9
30°	2758.5
32.5°	1781.8
35°	924.2
37.5°	499.3
40°	454.5
42.5°	451.2
45°	446.8
47.5°	437.0
50°	420.6
52.5°	402.0
55°	382.4
57.5°	360.5
60°	335.4
62.5°	307.0
65°	277.5
67.5°	244.7
70°	211.9
72.5°	179.2
75°	148.6
77.5°	116.9
80°	88.5
82.5°	62.3
85°	36.1
87.5°	14.2
90°	0.0



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— 0°-180°







(END OF REPORT)