

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: P751285

Luminaire Tested: LD4D60D010-EU4DR7055659027-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751285
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-EU4DR7055659027-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3429.9 lumens
Efficiency: N/A
Efficacy: 53.3 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 (A_{in}): 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

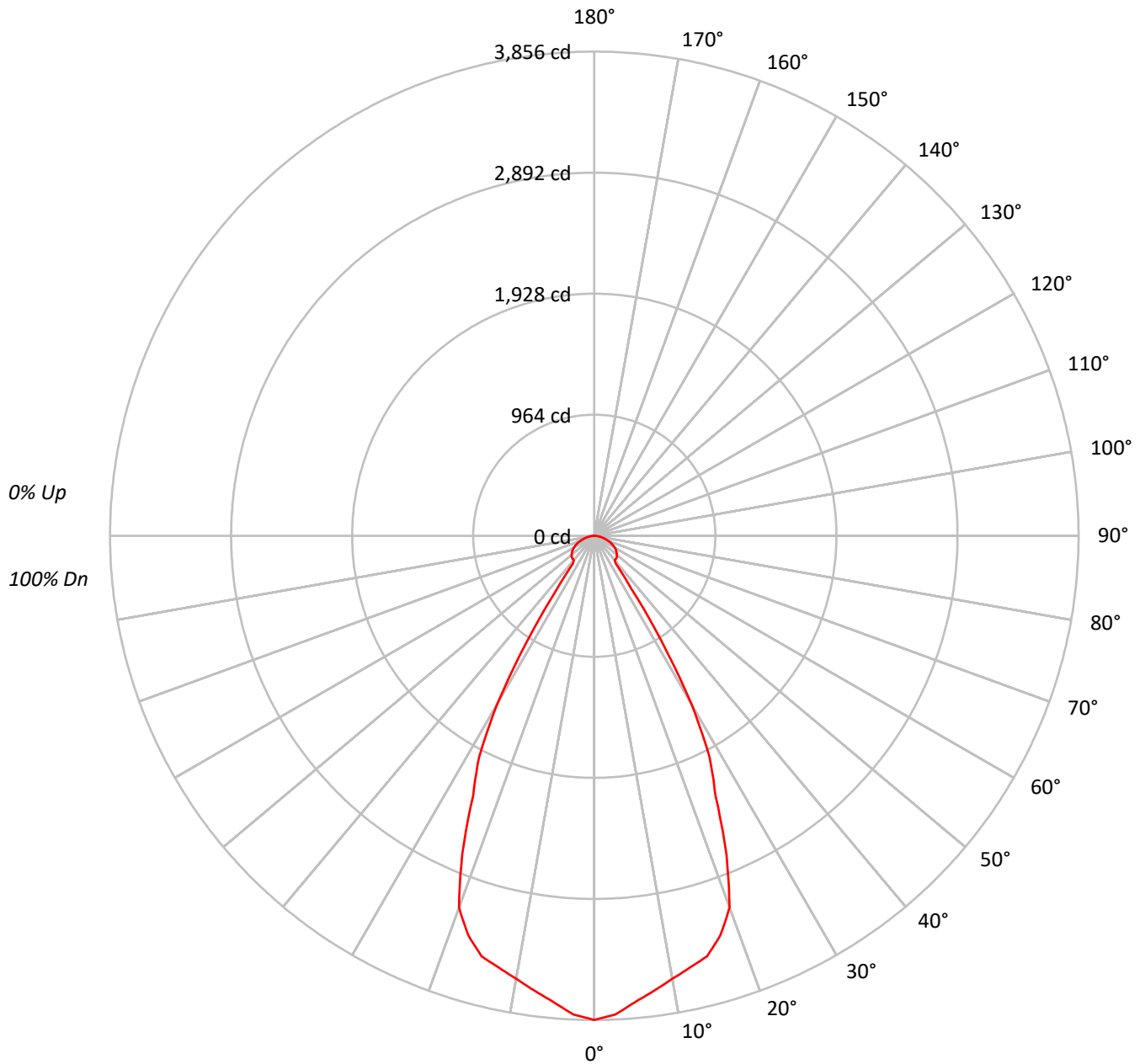


Downlight

TEST NUMBER: P751285

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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°	421331
5°	408814
10°	397421
15°	392204
20°	366236
25°	275133
30°	194494
35°	68892
40°	36228
45°	38583
50°	39962
55°	40708
60°	40951
65°	40098
70°	37824
75°	35039
80°	31146
85°	25198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 40975 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.6	10.3
10°-20°	964.4	28.1
20°-30°	1062.1	31.0
30°-40°	405.8	11.8
40°-50°	191.6	5.6
50°-60°	190.5	5.6
60°-70°	152.5	4.4
70°-80°	87.6	2.6
80°-90°	23.8	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°	2378.0	69.3
0°-40°	2783.8	81.2
0°-60°	3165.9	92.3
0°-90°	3429.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3429.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3856	
5°	3727	352
15°	3467	964
25°	2282	1062
35°	516	406
45°	250	192
55°	214	191
65°	155	153
75°	83	88
85°	20	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3856.2
2.5°	3816.0
5°	3727.4
7.5°	3653.5
10°	3582.1
12.5°	3521.7
15°	3467.3
17.5°	3336.1
20°	3149.8
22.5°	2748.1
25°	2282.2
27.5°	1986.7
30°	1541.6
32.5°	995.8
35°	516.5
37.5°	279.0
40°	254.0
42.5°	252.2
45°	249.7
47.5°	244.2
50°	235.1
52.5°	224.7
55°	213.7
57.5°	201.5
60°	187.4
62.5°	171.6
65°	155.1
67.5°	136.8
70°	118.4
72.5°	100.1
75°	83.0
77.5°	65.3
80°	49.5
82.5°	34.8
85°	20.1
87.5°	7.9
90°	0.0



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— 0°-180°







(END OF REPORT)