

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: P751286

Luminaire Tested: LD4D60D010-EU4DR7055659027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751286
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-EU4DR7055659027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5895.2 lumens
Efficiency: N/A
Efficacy: 91.5 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

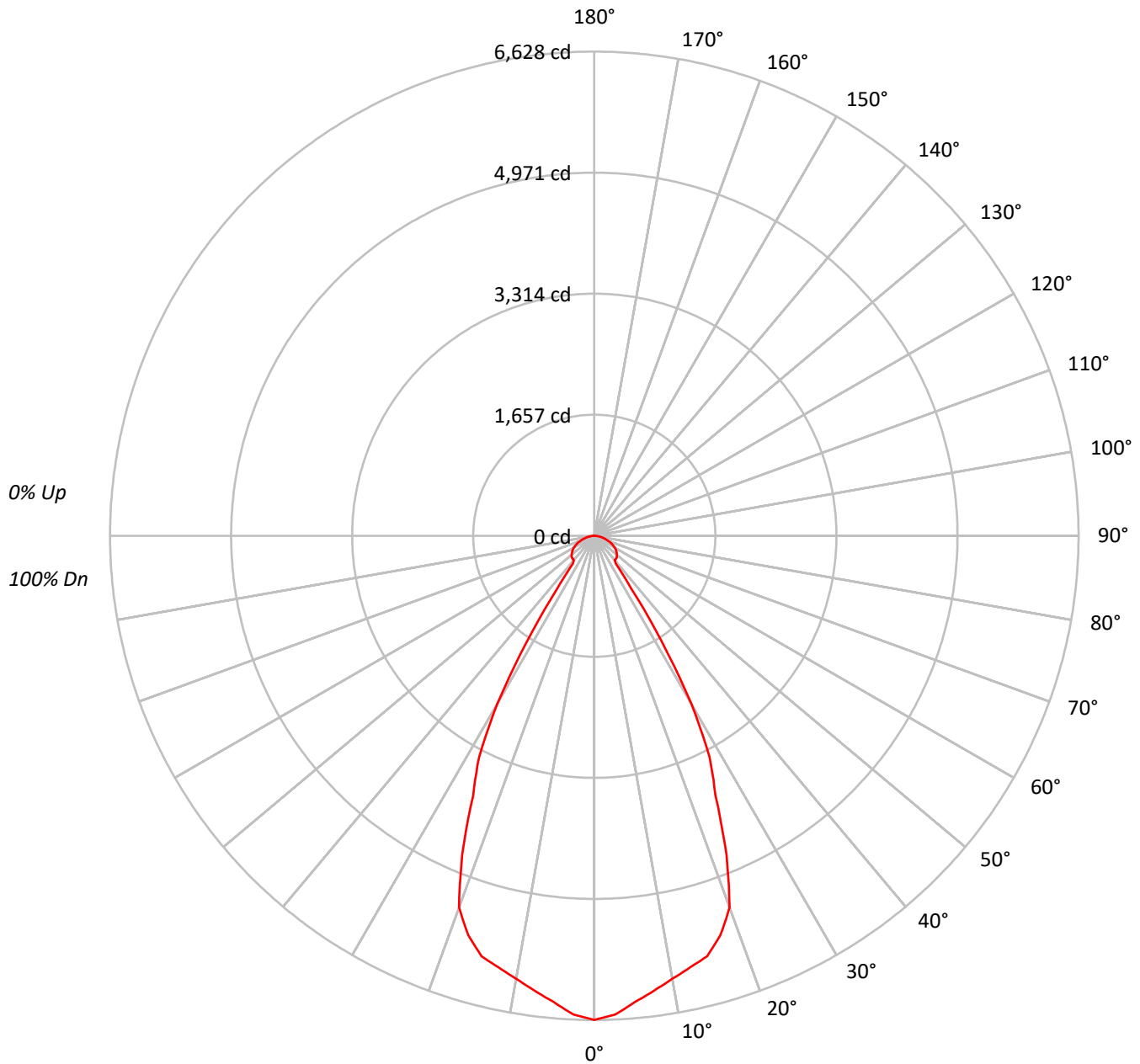


Downlight

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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°	724169
5°	702653
10°	683063
15°	674098
20°	629478
25°	472893
30°	334295
35°	118417
40°	62258
45°	66319
50°	68672
55°	69967
60°	70408
65°	68899
70°	65041
75°	60241
80°	53483
85°	43375

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 70421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.3	10.3
10°-20°	1657.5	28.1
20°-30°	1825.5	31.0
30°-40°	697.5	11.8
40°-50°	329.3	5.6
50°-60°	327.4	5.6
60°-70°	262.1	4.4
70°-80°	150.7	2.6
80°-90°	40.9	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°	4087.2	69.3
0°-40°	4784.7	81.2
0°-60°	5441.5	92.3
0°-90°	5895.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5895.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6628	
5°	6406	604
15°	5959	1657
25°	3923	1825
35°	888	697
45°	429	329
55°	367	327
65°	266	262
75°	143	151
85°	35	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6627.9
2.5°	6558.6
5°	6406.5
7.5°	6279.5
10°	6156.7
12.5°	6052.8
15°	5959.4
17.5°	5733.8
20°	5413.8
22.5°	4723.3
25°	3922.6
27.5°	3414.7
30°	2649.7
32.5°	1711.5
35°	887.8
37.5°	479.6
40°	436.5
42.5°	433.4
45°	429.2
47.5°	419.8
50°	404.0
52.5°	386.2
55°	367.3
57.5°	346.3
60°	322.2
62.5°	294.9
65°	266.5
67.5°	235.1
70°	203.6
72.5°	172.1
75°	142.7
77.5°	112.3
80°	85.0
82.5°	59.8
85°	34.6
87.5°	13.6
90°	0.0



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— 0°-180°







(END OF REPORT)