

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: P751131

Luminaire Tested: LD4D60D010-EU4DR6055659027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751131
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: LD4D60D010-EU4DR6055659027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6149.6 lumens
Efficiency: N/A
Efficacy: 95.5 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): 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

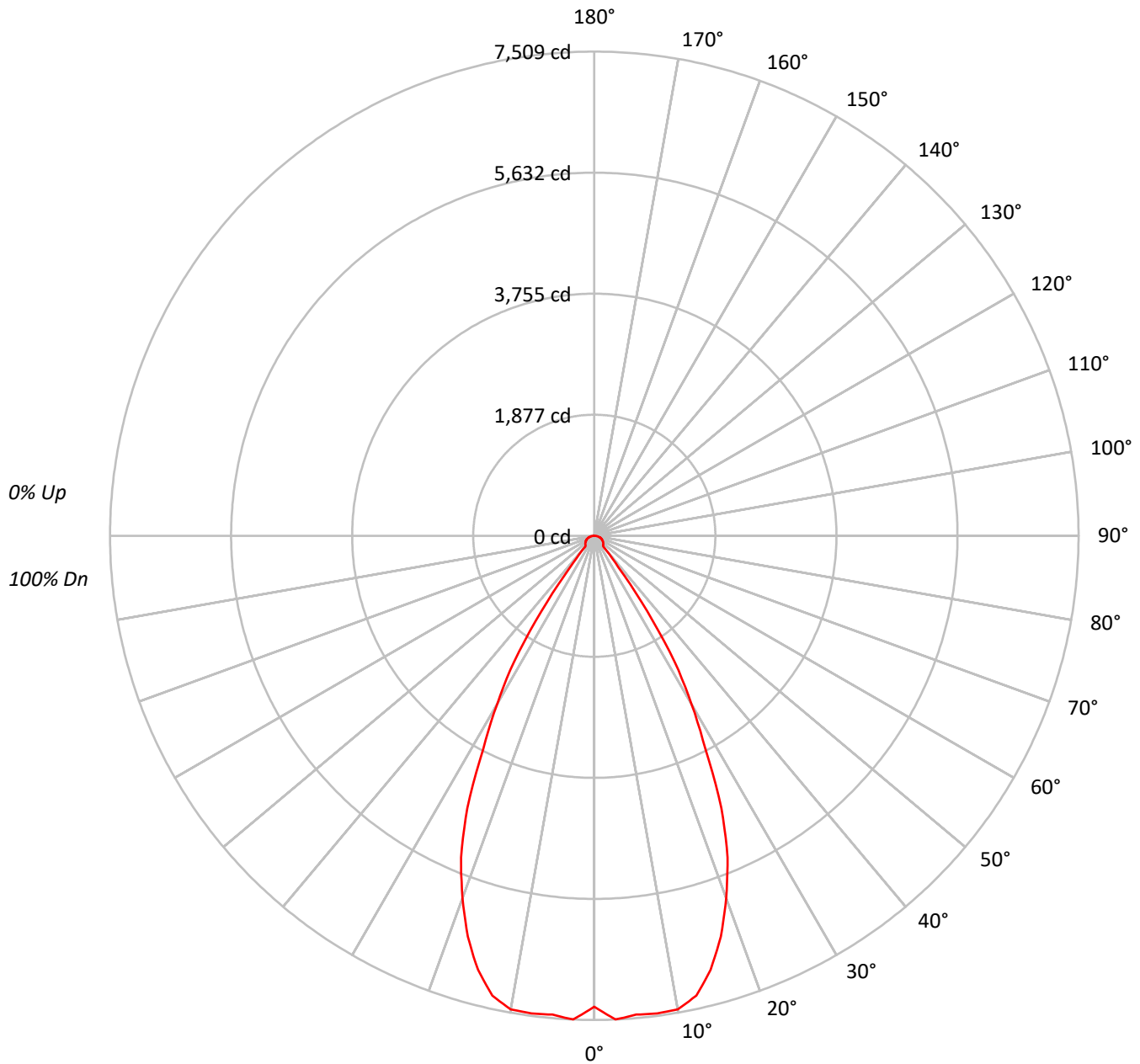


Downlight

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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
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°	797975
5°	817606
10°	827482
15°	788288
20°	695021
25°	562152
30°	380257
35°	190551
40°	30908
45°	30255
50°	30851
55°	31317
60°	32188
65°	32937
70°	33703
75°	34110
80°	32908
85°	27454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 34110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.5	11.6
10°-20°	1927.6	31.3
20°-30°	2074.0	33.7
30°-40°	901.5	14.7
40°-50°	151.4	2.5
50°-60°	147.2	2.4
60°-70°	125.9	2.0
70°-80°	84.2	1.4
80°-90°	25.2	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°	4714.1	76.7
0°-40°	5615.6	91.3
0°-60°	5914.2	96.2
0°-90°	6149.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6149.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7303	
5°	7455	712
15°	6969	1928
25°	4663	2074
35°	1429	902
45°	196	151
55°	164	147
65°	127	126
75°	81	84
85°	22	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7303.4
2.5°	7508.7
5°	7454.6
7.5°	7471.7
10°	7458.4
12.5°	7304.4
15°	6968.9
17.5°	6518.4
20°	5977.5
22.5°	5398.7
25°	4663.0
27.5°	3729.7
30°	3014.0
32.5°	2323.0
35°	1428.6
37.5°	611.2
40°	216.7
42.5°	199.6
45°	195.8
47.5°	189.1
50°	181.5
52.5°	173.0
55°	164.4
57.5°	155.9
60°	147.3
62.5°	137.8
65°	127.4
67.5°	116.9
70°	105.5
72.5°	93.1
75°	80.8
77.5°	66.5
80°	52.3
82.5°	37.1
85°	21.9
87.5°	7.6
90°	0.0



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— 0°-180°







(END OF REPORT)