

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: P752691

Luminaire Tested: LD4D70BD010-EU4DR6070959027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752691
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: LD4D70BD010-EU4DR6070959027-4LBDP1LI
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: 6932.8 lumens
Efficiency: N/A
Efficacy: 104.1 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): 66.6
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

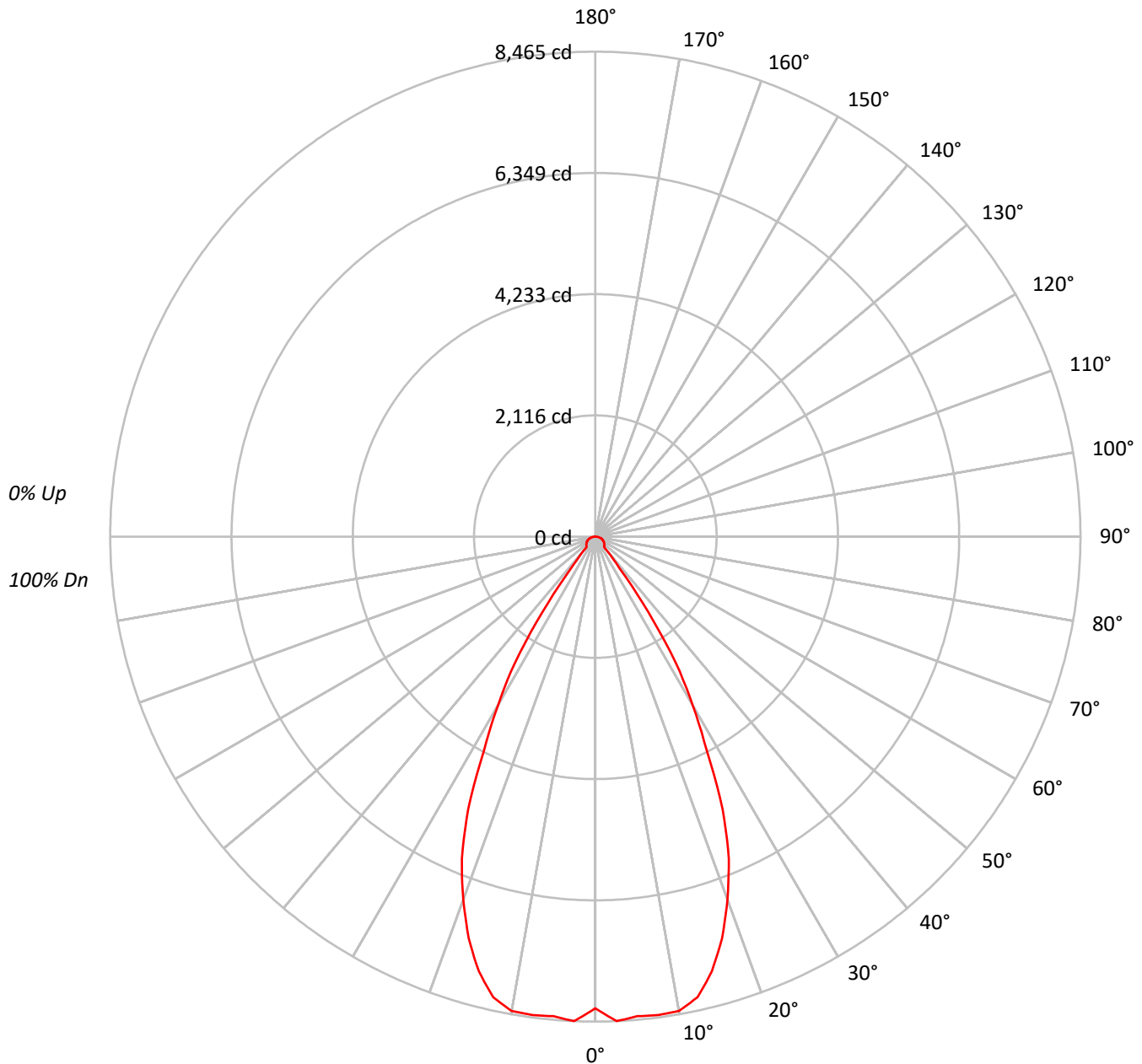


Downlight

TEST NUMBER: P752691

CATALOG NUMBER: LD4D70BD010-EU4DR6070959027-4LBDP1LI

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°	899609
5°	921724
10°	932858
15°	888677
20°	783540
25°	633750
30°	428678
35°	214813
40°	34844
45°	34102
50°	34795
55°	35317
60°	36296
65°	37125
70°	37983
75°	38458
80°	37060
85°	30839

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 38458 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	803.2	11.6
10°-20°	2173.1	31.3
20°-30°	2338.1	33.7
30°-40°	1016.3	14.7
40°-50°	170.7	2.5
50°-60°	166.0	2.4
60°-70°	142.0	2.0
70°-80°	95.0	1.4
80°-90°	28.4	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°	5314.4	76.7
0°-40°	6330.7	91.3
0°-60°	6667.4	96.2
0°-90°	6932.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6932.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8234	
5°	8404	803
15°	7856	2173
25°	5257	2338
35°	1610	1016
45°	221	171
55°	185	166
65°	144	142
75°	91	95
85°	25	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8233.6
2.5°	8465.0
5°	8403.9
7.5°	8423.2
10°	8408.2
12.5°	8234.6
15°	7856.4
17.5°	7348.5
20°	6738.8
22.5°	6086.2
25°	5256.9
27.5°	4204.6
30°	3397.8
32.5°	2618.8
35°	1610.5
37.5°	689.0
40°	244.3
42.5°	225.0
45°	220.7
47.5°	213.2
50°	204.7
52.5°	195.0
55°	185.4
57.5°	175.7
60°	166.1
62.5°	155.4
65°	143.6
67.5°	131.8
70°	118.9
72.5°	105.0
75°	91.1
77.5°	75.0
80°	58.9
82.5°	41.8
85°	24.6
87.5°	8.6
90°	0.0



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— 0°-180°







(END OF REPORT)