

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: P752716

Luminaire Tested: LD4D70BD010-EU4DR6070959035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752716
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-EU4DR6070959035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6873.8 lumens
Efficiency: N/A
Efficacy: 103.2 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

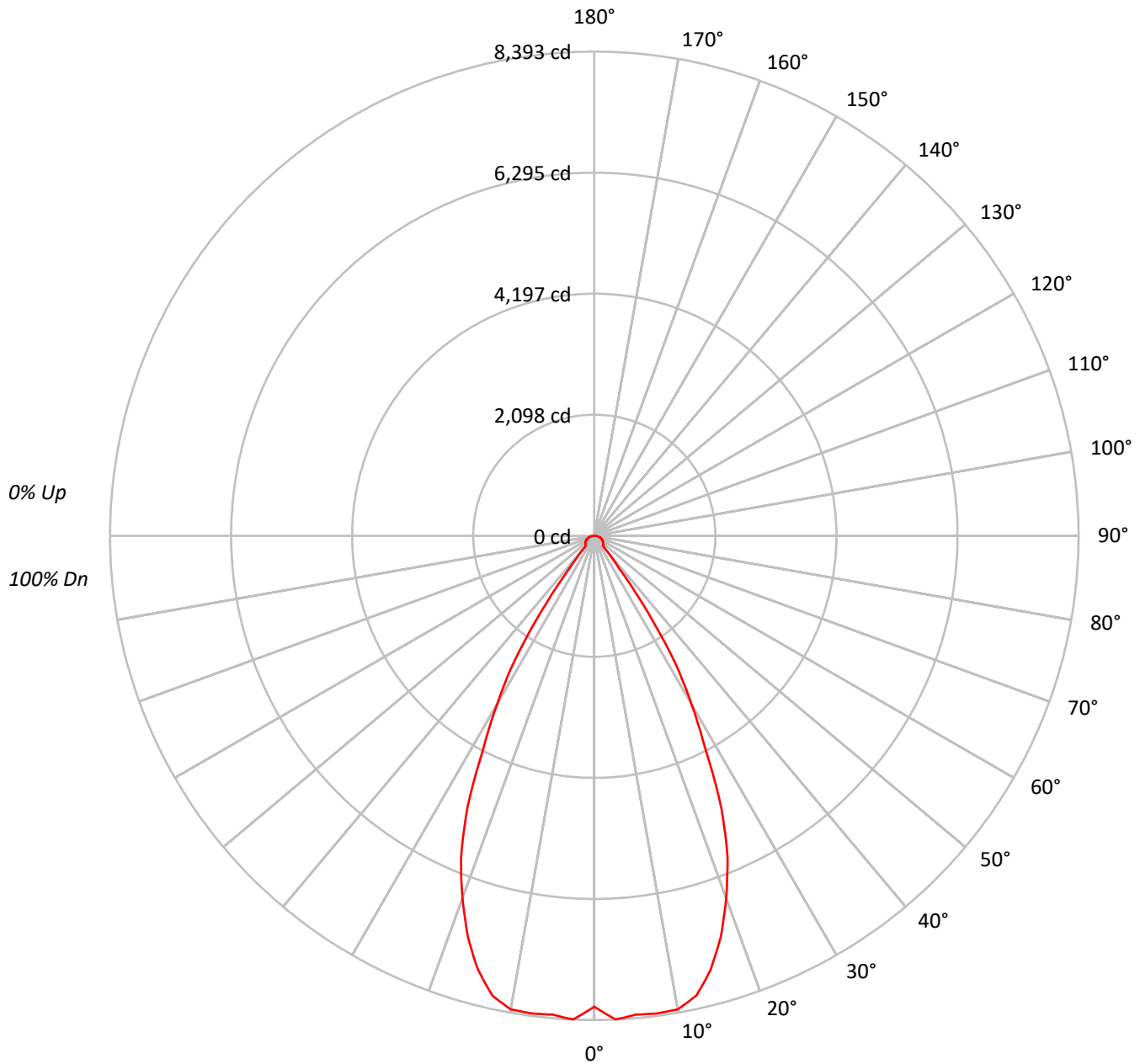


Downlight

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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°	891950
5°	913893
10°	924926
15°	881121
20°	776877
25°	628361
30°	425032
35°	212986
40°	34545
45°	33824
50°	34489
55°	35012
60°	35990
65°	36815
70°	37664
75°	38120
80°	36746
85°	30588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 38120 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	796.4	11.6
10°-20°	2154.6	31.3
20°-30°	2318.2	33.7
30°-40°	1007.7	14.7
40°-50°	169.2	2.5
50°-60°	164.6	2.4
60°-70°	140.8	2.0
70°-80°	94.2	1.4
80°-90°	28.2	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°	5269.2	76.7
0°-40°	6276.9	91.3
0°-60°	6610.7	96.2
0°-90°	6873.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6873.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8164	
5°	8332	796
15°	7790	2155
25°	5212	2318
35°	1597	1008
45°	219	169
55°	184	165
65°	142	141
75°	90	94
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8163.5
2.5°	8393.0
5°	8332.5
7.5°	8351.6
10°	8336.7
12.5°	8164.6
15°	7789.6
17.5°	7286.0
20°	6681.5
22.5°	6034.5
25°	5212.2
27.5°	4168.9
30°	3368.9
32.5°	2596.5
35°	1596.8
37.5°	683.1
40°	242.2
42.5°	223.1
45°	218.9
47.5°	211.4
50°	202.9
52.5°	193.4
55°	183.8
57.5°	174.2
60°	164.7
62.5°	154.0
65°	142.4
67.5°	130.7
70°	117.9
72.5°	104.1
75°	90.3
77.5°	74.4
80°	58.4
82.5°	41.4
85°	24.4
87.5°	8.5
90°	0.0



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— 0°-180°







(END OF REPORT)