

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: P752703

Luminaire Tested: LD4D70BD010-EU4DR6070959030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752703
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-EU4DR6070959030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6802.2 lumens
Efficiency: N/A
Efficacy: 102.1 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 (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

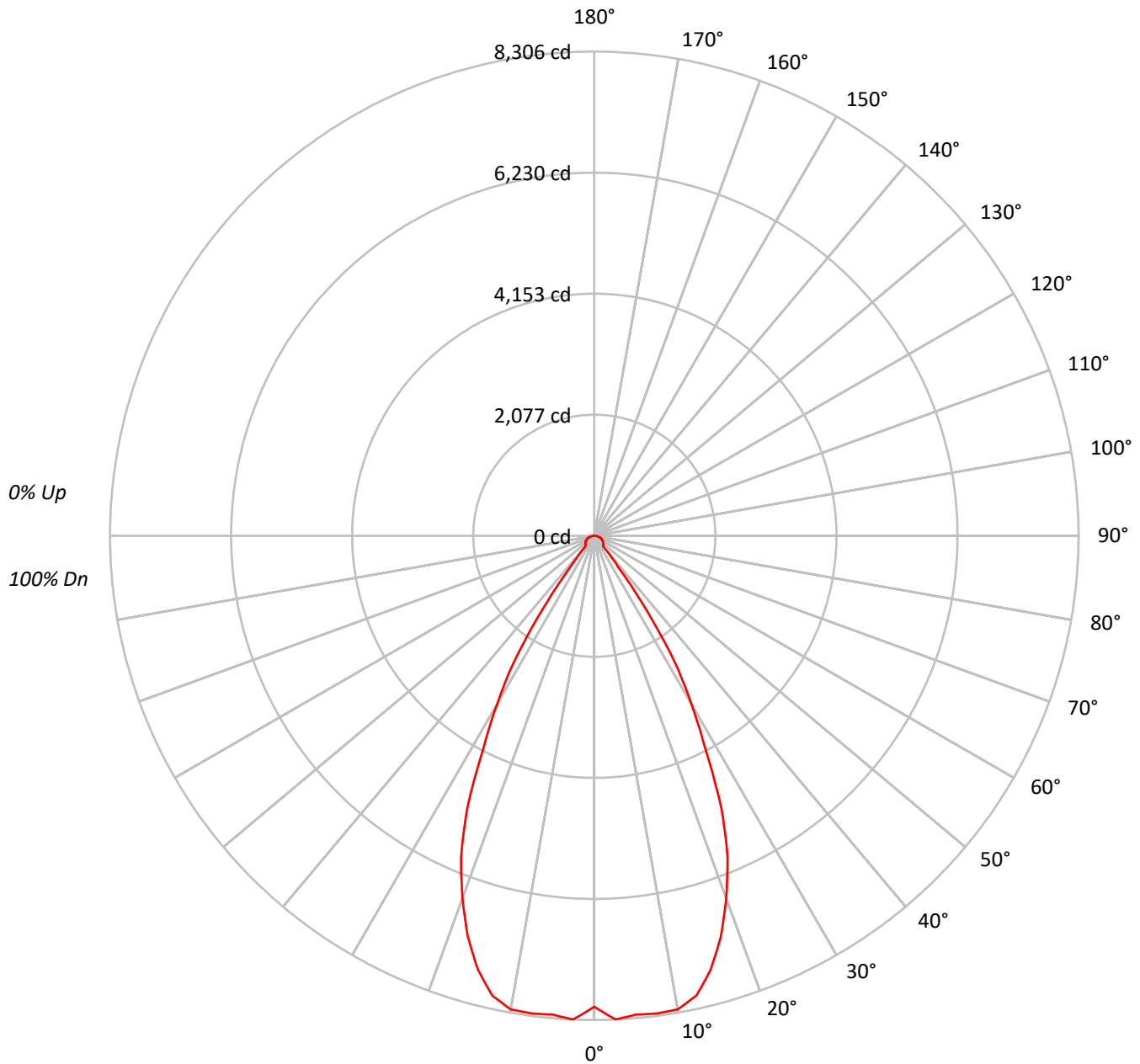


Downlight

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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	882663
5°	904362
10°	915285
15°	871936
20°	768773
25°	621803
30°	420604
35°	210771
40°	34188
45°	33469
50°	34132
55°	34650
60°	35619
65°	36427
70°	37281
75°	37740
80°	36368
85°	30338

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 37740 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.1	11.6
10°-20°	2132.2	31.3
20°-30°	2294.0	33.7
30°-40°	997.2	14.7
40°-50°	167.5	2.5
50°-60°	162.8	2.4
60°-70°	139.3	2.0
70°-80°	93.2	1.4
80°-90°	27.9	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°	5214.3	76.7
0°-40°	6211.5	91.3
0°-60°	6541.8	96.2
0°-90°	6802.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6802.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8078	
5°	8246	788
15°	7708	2132
25°	5158	2294
35°	1580	997
45°	217	167
55°	182	163
65°	141	139
75°	89	93
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8078.5
2.5°	8305.5
5°	8245.6
7.5°	8264.5
10°	8249.8
12.5°	8079.5
15°	7708.4
17.5°	7210.0
20°	6611.8
22.5°	5971.6
25°	5157.8
27.5°	4125.4
30°	3333.8
32.5°	2569.5
35°	1580.2
37.5°	676.0
40°	239.7
42.5°	220.8
45°	216.6
47.5°	209.2
50°	200.8
52.5°	191.3
55°	181.9
57.5°	172.4
60°	163.0
62.5°	152.4
65°	140.9
67.5°	129.3
70°	116.7
72.5°	103.0
75°	89.4
77.5°	73.6
80°	57.8
82.5°	41.0
85°	24.2
87.5°	8.4
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)