

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: P752731

Luminaire Tested: LD4D70BD010-EU4DR6070959040-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752731
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-EU4DR6070959040-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6516.1 lumens
Efficiency: N/A
Efficacy: 97.8 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

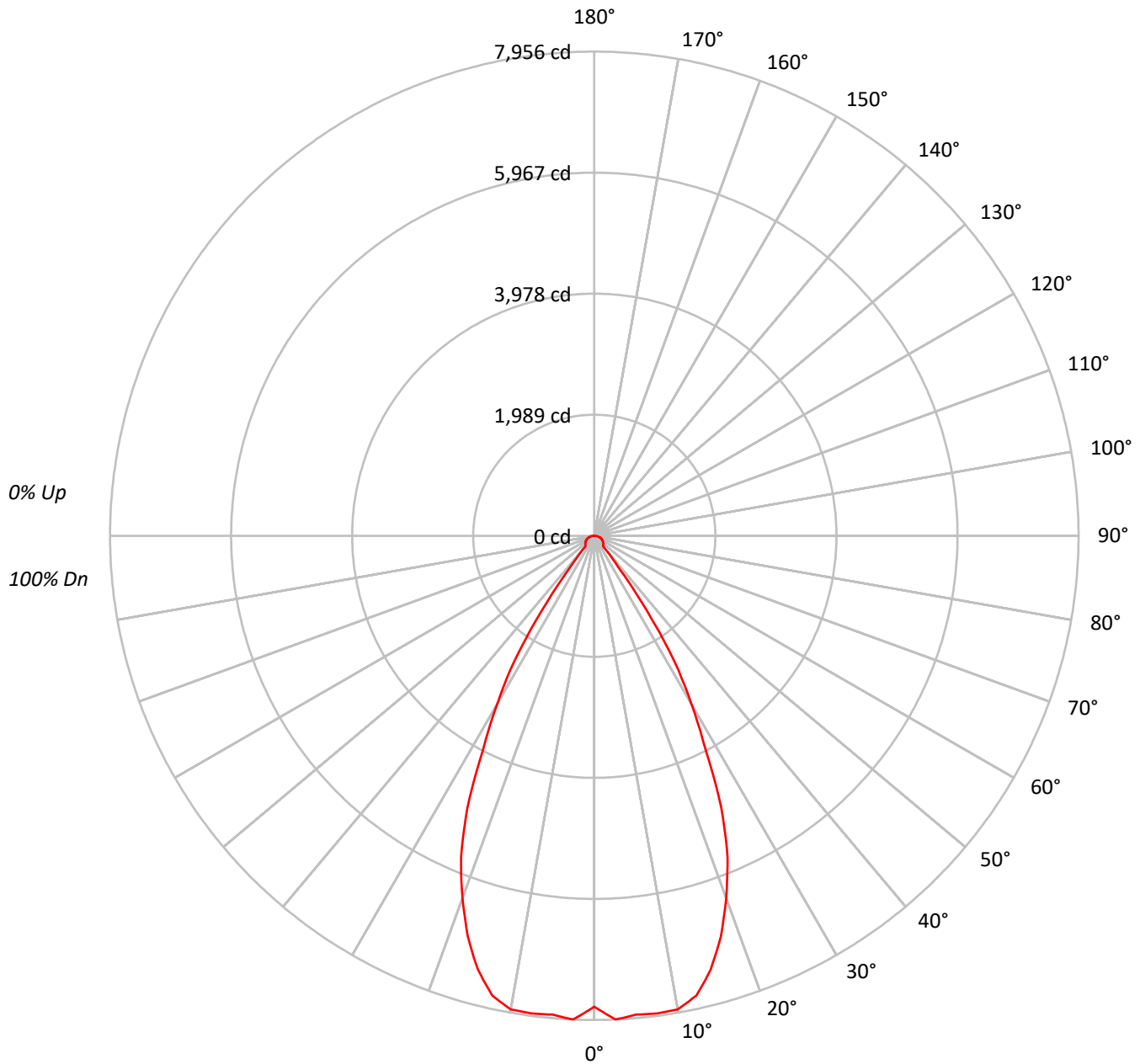


Downlight

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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
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°	845525
5°	866325
10°	876786
15°	835253
20°	736437
25°	595655
30°	402903
35°	201901
40°	32748
45°	32062
50°	32704
55°	33183
60°	34111
65°	34902
70°	35715
75°	36136
80°	34858
85°	29084

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 36136 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	754.9	11.6
10°-20°	2042.5	31.3
20°-30°	2197.6	33.7
30°-40°	955.2	14.7
40°-50°	160.4	2.5
50°-60°	156.0	2.4
60°-70°	133.4	2.0
70°-80°	89.3	1.4
80°-90°	26.7	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°	4995.0	76.7
0°-40°	5950.2	91.3
0°-60°	6266.7	96.2
0°-90°	6516.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6516.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7739	
5°	7899	755
15°	7384	2042
25°	4941	2198
35°	1514	955
45°	208	160
55°	174	156
65°	135	133
75°	86	89
85°	23	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7738.6
2.5°	7956.2
5°	7898.8
7.5°	7916.9
10°	7902.8
12.5°	7739.6
15°	7384.1
17.5°	6906.8
20°	6333.7
22.5°	5720.4
25°	4940.9
27.5°	3951.9
30°	3193.5
32.5°	2461.4
35°	1513.7
37.5°	647.6
40°	229.6
42.5°	211.5
45°	207.5
47.5°	200.4
50°	192.4
52.5°	183.3
55°	174.2
57.5°	165.2
60°	156.1
62.5°	146.0
65°	135.0
67.5°	123.9
70°	111.8
72.5°	98.7
75°	85.6
77.5°	70.5
80°	55.4
82.5°	39.3
85°	23.2
87.5°	8.1
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)