

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: P752690

Luminaire Tested: LD4D70BD010-EU4DR6070959027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752690
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-EU4DR6070959027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-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: 6602.6 lumens
Efficiency: N/A
Efficacy: 99.1 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

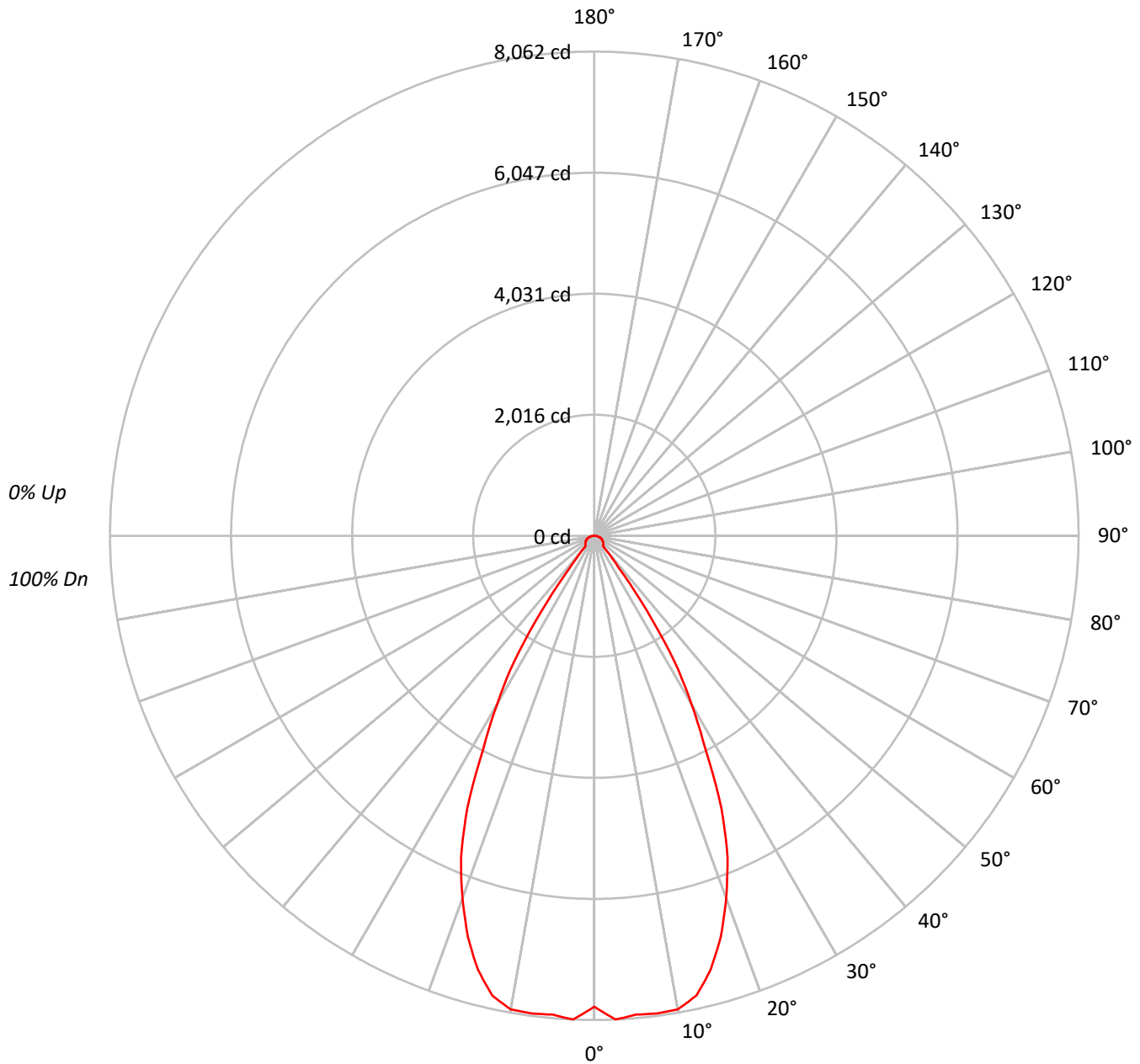


Downlight

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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°	856768
5°	877831
10°	888436
15°	846361
20°	746228
25°	603563
30°	408265
35°	204582
40°	33190
45°	32480
50°	33129
55°	33622
60°	34570
65°	35341
70°	36194
75°	36601
80°	35299
85°	29460

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 36601 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.0	11.6
10°-20°	2069.6	31.3
20°-30°	2226.8	33.7
30°-40°	967.9	14.7
40°-50°	162.6	2.5
50°-60°	158.1	2.4
60°-70°	135.2	2.0
70°-80°	90.4	1.4
80°-90°	27.1	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°	5061.3	76.7
0°-40°	6029.3	91.3
0°-60°	6349.9	96.2
0°-90°	6602.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6602.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7842	
5°	8004	765
15°	7482	2070
25°	5006	2227
35°	1534	968
45°	210	163
55°	176	158
65°	137	135
75°	87	90
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7841.5
2.5°	8061.9
5°	8003.7
7.5°	8022.1
10°	8007.8
12.5°	7842.5
15°	7482.3
17.5°	6998.6
20°	6417.9
22.5°	5796.4
25°	5006.5
27.5°	4004.4
30°	3236.0
32.5°	2494.1
35°	1533.8
37.5°	656.2
40°	232.7
42.5°	214.3
45°	210.2
47.5°	203.1
50°	194.9
52.5°	185.7
55°	176.5
57.5°	167.4
60°	158.2
62.5°	148.0
65°	136.7
67.5°	125.5
70°	113.3
72.5°	100.0
75°	86.7
77.5°	71.4
80°	56.1
82.5°	39.8
85°	23.5
87.5°	8.2
90°	0.0



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— 0°-180°







(END OF REPORT)