

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: P752678

Luminaire Tested: LD4D70BD010-EU4DR6070959024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752678
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-EU4DR6070959024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6120.1 lumens
Efficiency: N/A
Efficacy: 91.9 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

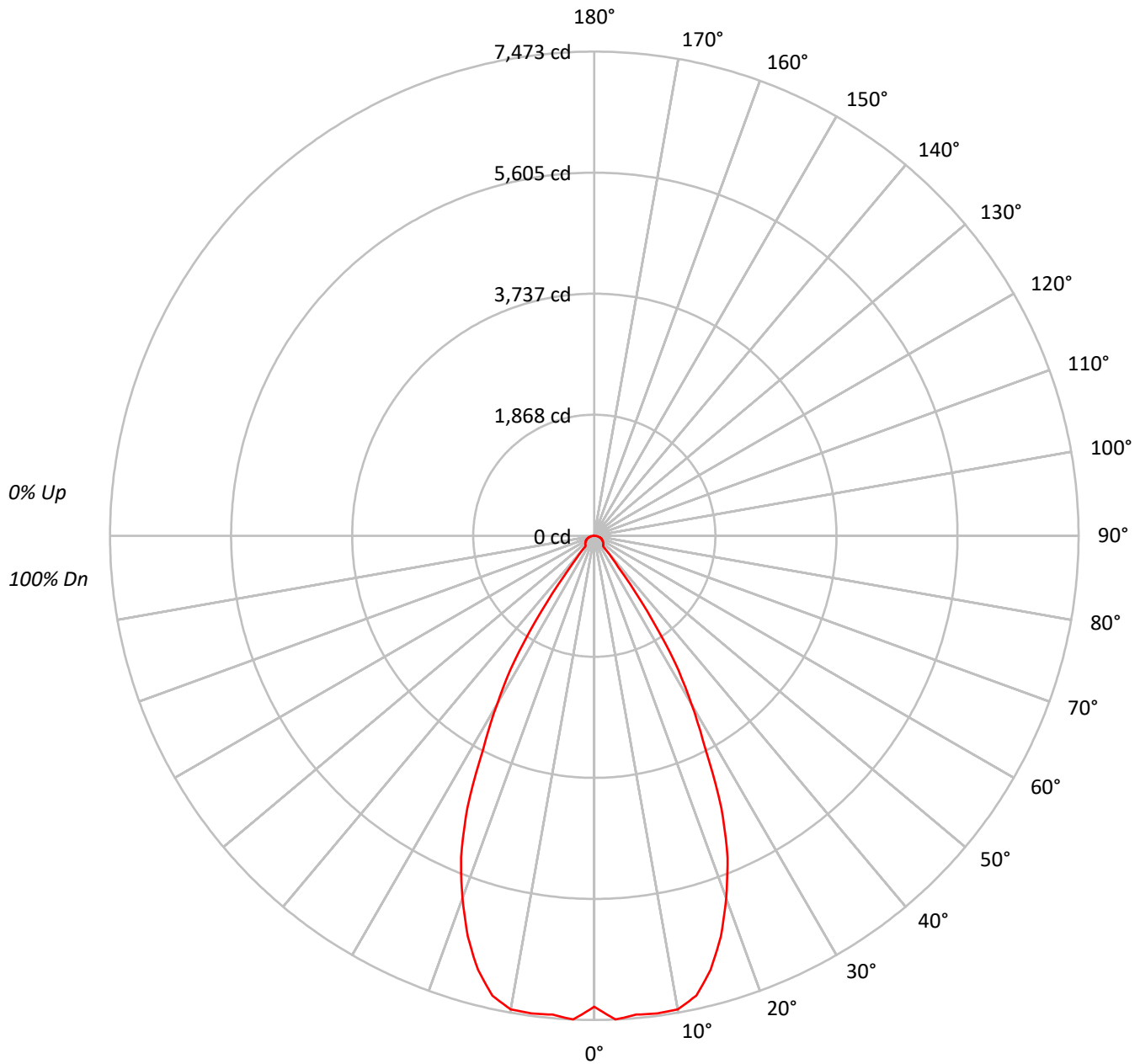


Downlight

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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°	794162
5°	813691
10°	823510
15°	784509
20°	691696
25°	559464
30°	378427
35°	189630
40°	30765
45°	30116
50°	30715
55°	31164
60°	32035
65°	32782
70°	33543
75°	33941
80°	32719
85°	27329

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 33941 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.1	11.6
10°-20°	1918.4	31.3
20°-30°	2064.0	33.7
30°-40°	897.2	14.7
40°-50°	150.7	2.5
50°-60°	146.5	2.4
60°-70°	125.3	2.0
70°-80°	83.8	1.4
80°-90°	25.1	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°	4691.5	76.7
0°-40°	5588.7	91.3
0°-60°	5885.9	96.2
0°-90°	6120.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6120.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7268	
5°	7419	709
15°	6936	1918
25°	4641	2064
35°	1422	897
45°	195	151
55°	164	147
65°	127	125
75°	80	84
85°	22	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7268.5
2.5°	7472.8
5°	7418.9
7.5°	7435.9
10°	7422.6
12.5°	7269.4
15°	6935.5
17.5°	6487.1
20°	5948.9
22.5°	5372.8
25°	4640.7
27.5°	3711.8
30°	2999.5
32.5°	2311.8
35°	1421.7
37.5°	608.2
40°	215.7
42.5°	198.6
45°	194.9
47.5°	188.2
50°	180.7
52.5°	172.2
55°	163.6
57.5°	155.1
60°	146.6
62.5°	137.2
65°	126.8
67.5°	116.3
70°	105.0
72.5°	92.7
75°	80.4
77.5°	66.2
80°	52.0
82.5°	36.9
85°	21.8
87.5°	7.6
90°	0.0



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— 0°-180°







(END OF REPORT)