

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: P750589

Luminaire Tested: LD4D60D010-EU4DR2555659027-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750589
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR2555659027-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5767.6 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
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

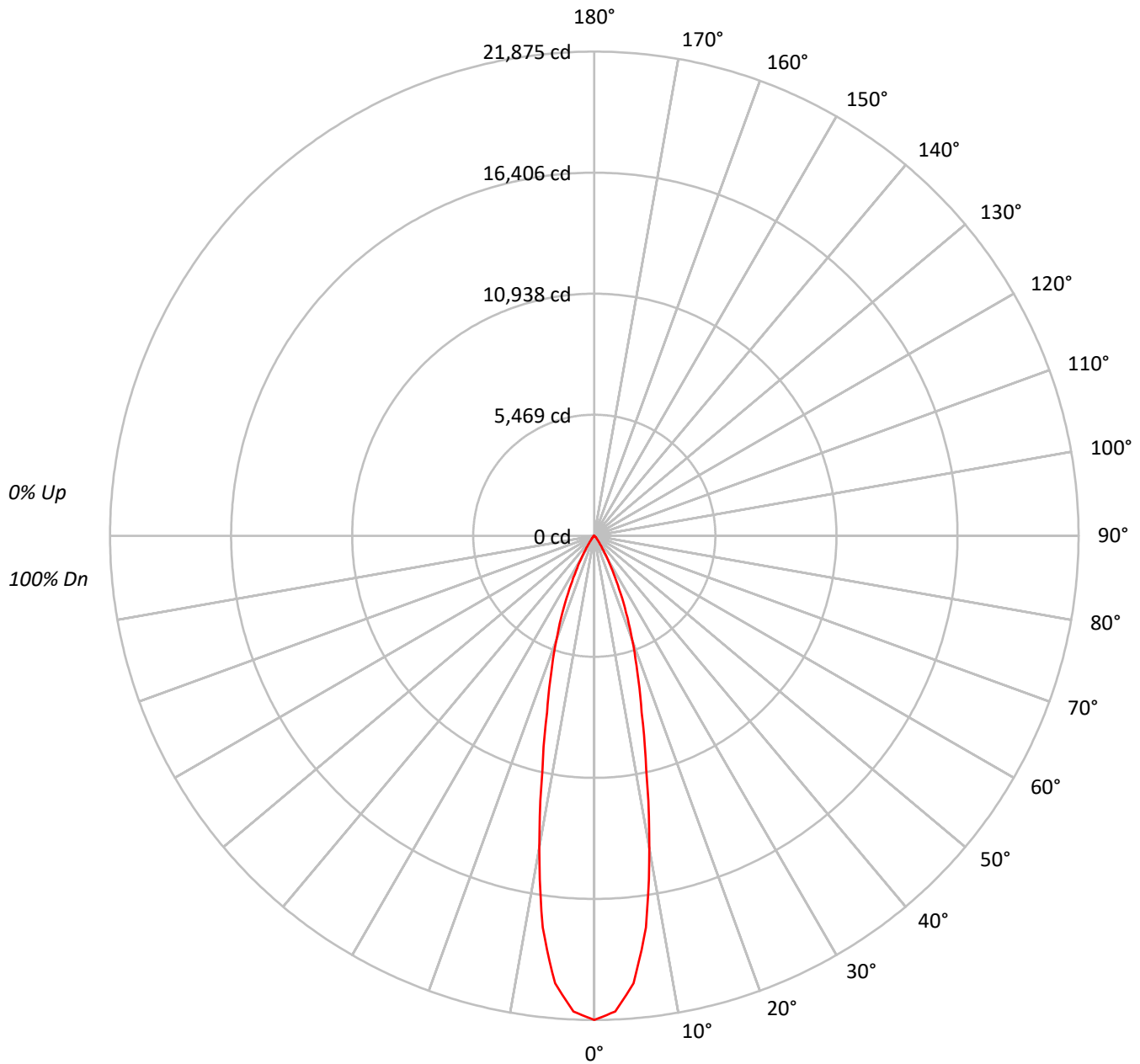


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109		112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101		109	105	102	100		102	100	98		99	97	96		97	95	94
3	107	102	98	95		105	101	97	94		98	95	93		96	93	91		94	92	90
4	103	97	93	90		102	96	93	90		94	91	89		93	90	88		91	89	87
5	100	93	89	86		98	93	89	86		91	87	85		89	86	84		88	85	83
6	97	90	85	82		95	89	85	82		88	84	81		87	83	81		85	83	80
7	93	87	82	79		92	86	82	79		85	81	78		84	80	78		83	80	78
8	91	84	79	76		90	83	79	76		82	78	76		81	78	75		80	77	75
9	88	81	76	73		87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71		85	78	74	71		77	73	71		76	73	71		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2390101
5°	2226071
10°	1587919
15°	935224
20°	581911
25°	319353
30°	146047
35°	55314
40°	25046
45°	15066
50°	6255
55°	4019
60°	2819
65°	1913
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15066 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1744.3	30.2
10°-20°	2362.6	41.0
20°-30°	1250.2	21.7
30°-40°	308.6	5.4
40°-50°	75.3	1.3
50°-60°	19.8	0.3
60°-70°	6.7	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	5357.1	92.9
0°-40°	5665.7	98.2
0°-60°	5760.8	99.9
0°-90°	5767.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5767.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21875	
5°	20296	###
15°	8268	2363
25°	2649	1250
35°	415	309
45°	98	75
55°	21	20
65°	7	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21875.2
2.5°	21515.7
5°	20296.4
7.5°	17847.0
10°	14312.5
12.5°	10819.4
15°	8267.9
17.5°	6443.7
20°	5004.7
22.5°	3753.3
25°	2649.0
27.5°	1776.4
30°	1157.6
32.5°	704.3
35°	414.7
37.5°	253.8
40°	175.6
42.5°	134.2
45°	97.5
47.5°	58.8
50°	36.8
52.5°	26.7
55°	21.1
57.5°	16.6
60°	12.9
62.5°	10.1
65°	7.4
67.5°	2.8
70°	0.9
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)