

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: P751145

Luminaire Tested: LD4D60D010-EU4DR6055659030-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751145
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: LD4D60D010-EU4DR6055659030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5464.2 lumens
Efficiency: N/A
Efficacy: 84.8 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): 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

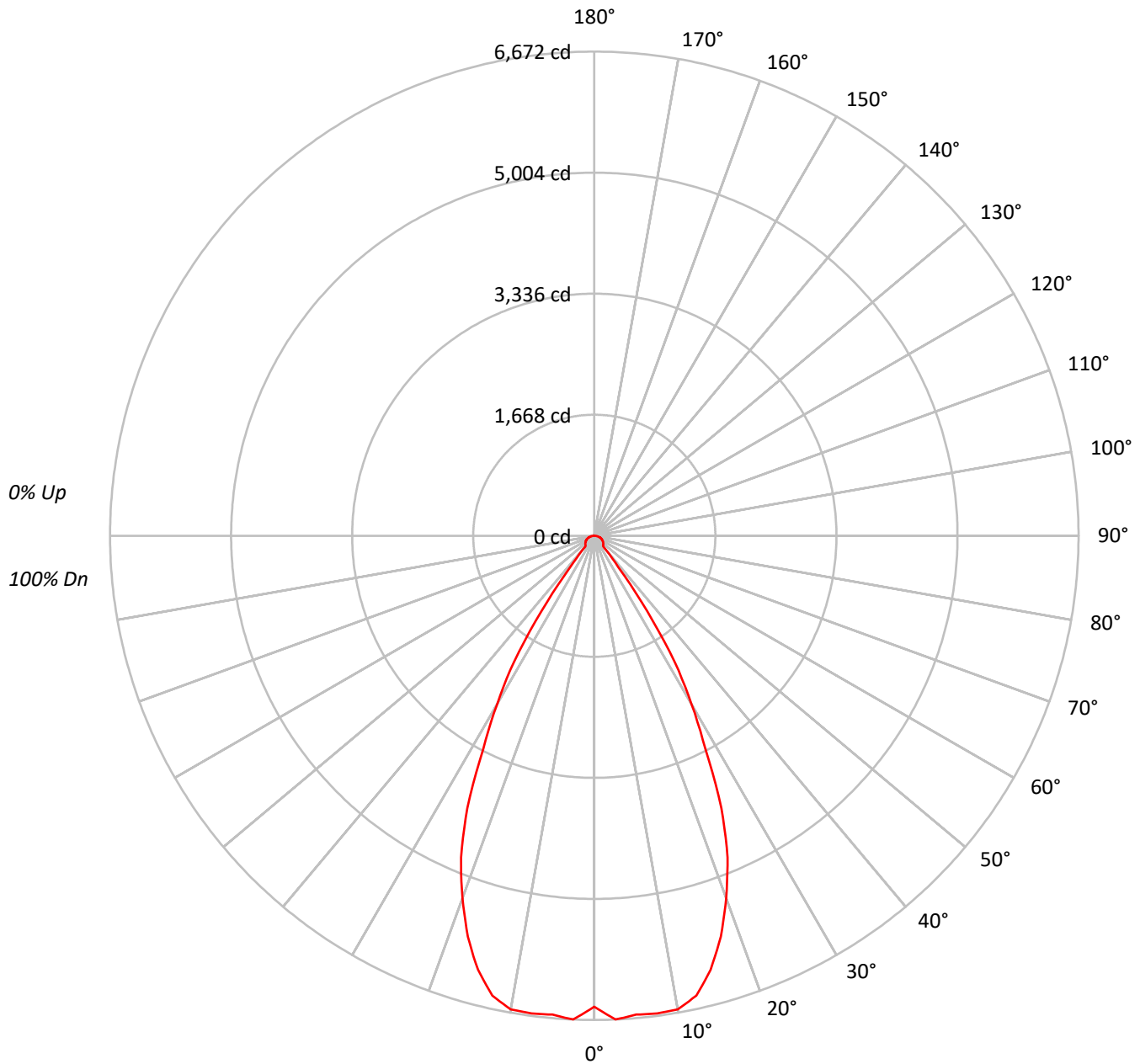


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	709048
5°	726486
10°	735252
15°	700431
20°	617560
25°	499499
30°	337866
35°	169303
40°	27470
45°	26886
50°	27418
55°	27831
60°	28604
65°	29266
70°	29933
75°	30310
80°	29195
85°	24320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 30310 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.1	11.6
10°-20°	1712.8	31.3
20°-30°	1842.8	33.7
30°-40°	801.0	14.7
40°-50°	134.6	2.5
50°-60°	130.8	2.4
60°-70°	111.9	2.0
70°-80°	74.9	1.4
80°-90°	22.4	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°	4188.7	76.7
0°-40°	4989.7	91.3
0°-60°	5255.1	96.2
0°-90°	5464.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5464.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6490	
5°	6624	633
15°	6192	1713
25°	4143	1843
35°	1269	801
45°	174	135
55°	146	131
65°	113	112
75°	72	75
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6489.5
2.5°	6671.9
5°	6623.8
7.5°	6639.0
10°	6627.1
12.5°	6490.3
15°	6192.2
17.5°	5791.9
20°	5311.3
22.5°	4797.0
25°	4143.3
27.5°	3314.0
30°	2678.0
32.5°	2064.1
35°	1269.3
37.5°	543.0
40°	192.6
42.5°	177.4
45°	174.0
47.5°	168.1
50°	161.3
52.5°	153.7
55°	146.1
57.5°	138.5
60°	130.9
62.5°	122.5
65°	113.2
67.5°	103.9
70°	93.7
72.5°	82.8
75°	71.8
77.5°	59.1
80°	46.4
82.5°	32.9
85°	19.4
87.5°	6.8
90°	0.0



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— 0°-180°







(END OF REPORT)