

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: P753524

Luminaire Tested: LD4D75BD010-EU4DR6070959050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753524
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: LD4D75BD010-EU4DR6070959050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6936.2 lumens
Efficiency: N/A
Efficacy: 95.8 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): 72.4
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

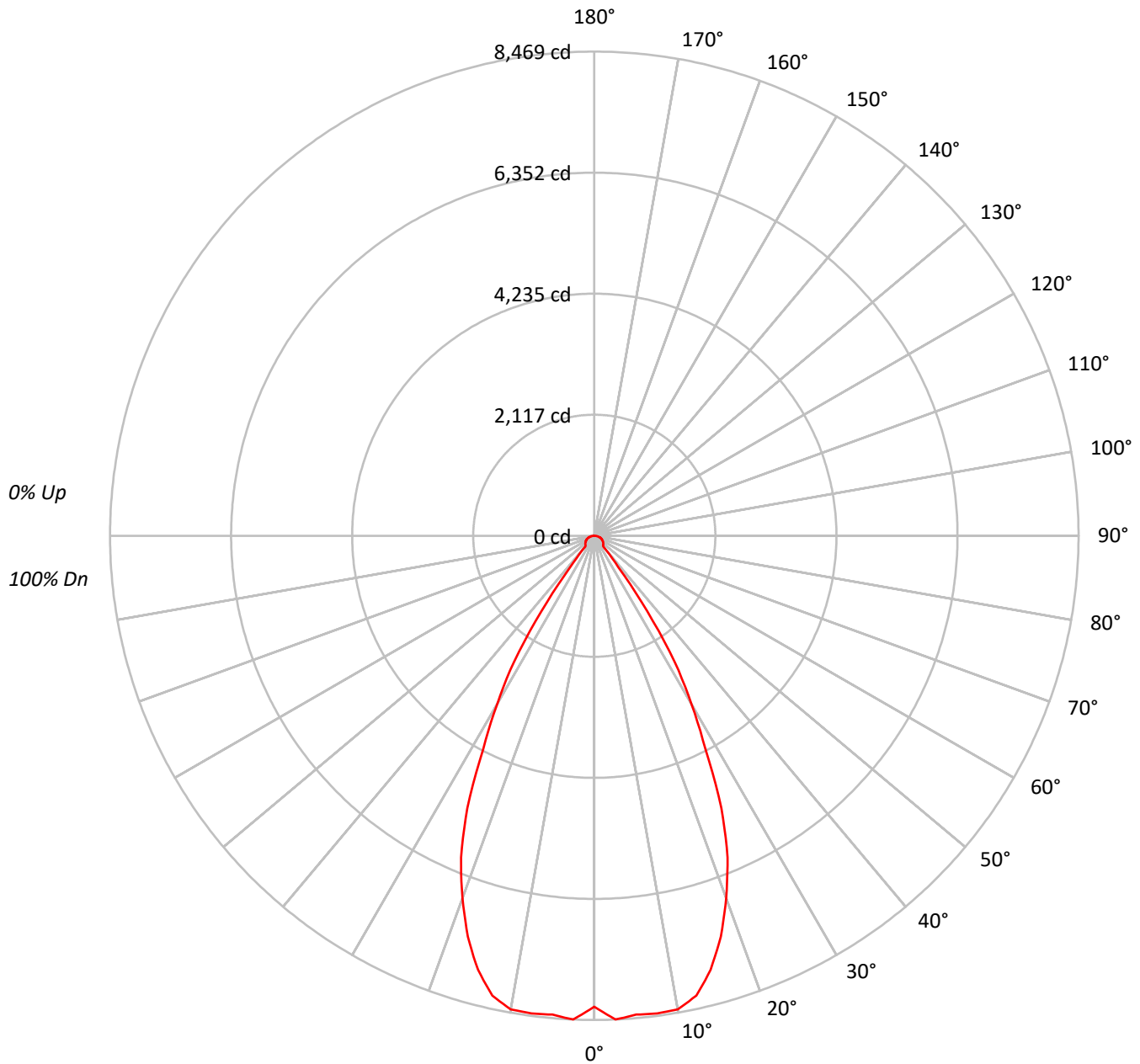


Downlight

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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
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°	900046
5°	922185
10°	933324
15°	889118
20°	783923
25°	634064
30°	428893
35°	214920
40°	34859
45°	34118
50°	34812
55°	35336
60°	36318
65°	37151
70°	38015
75°	38458
80°	37123
85°	30965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 38458 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	803.6	11.6
10°-20°	2174.2	31.3
20°-30°	2339.3	33.7
30°-40°	1016.8	14.7
40°-50°	170.8	2.5
50°-60°	166.1	2.4
60°-70°	142.0	2.0
70°-80°	95.0	1.4
80°-90°	28.4	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°	5317.0	76.7
0°-40°	6333.9	91.3
0°-60°	6670.7	96.2
0°-90°	6936.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6936.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8238	
5°	8408	804
15°	7860	2174
25°	5260	2339
35°	1611	1017
45°	221	171
55°	186	166
65°	144	142
75°	91	95
85°	25	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8237.6
2.5°	8469.2
5°	8408.1
7.5°	8427.4
10°	8412.4
12.5°	8238.7
15°	7860.3
17.5°	7352.1
20°	6742.1
22.5°	6089.2
25°	5259.5
27.5°	4206.7
30°	3399.5
32.5°	2620.1
35°	1611.3
37.5°	689.3
40°	244.4
42.5°	225.1
45°	220.8
47.5°	213.3
50°	204.8
52.5°	195.1
55°	185.5
57.5°	175.8
60°	166.2
62.5°	155.4
65°	143.7
67.5°	131.9
70°	119.0
72.5°	105.1
75°	91.1
77.5°	75.0
80°	59.0
82.5°	41.8
85°	24.7
87.5°	8.6
90°	0.0



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— 0°-180°







(END OF REPORT)