

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: P753511

Luminaire Tested: LD4D75BD010-EU4DR6070959040-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753511
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-EU4DR6070959040-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6887.0 lumens
Efficiency: N/A
Efficacy: 95.1 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): 72.4
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

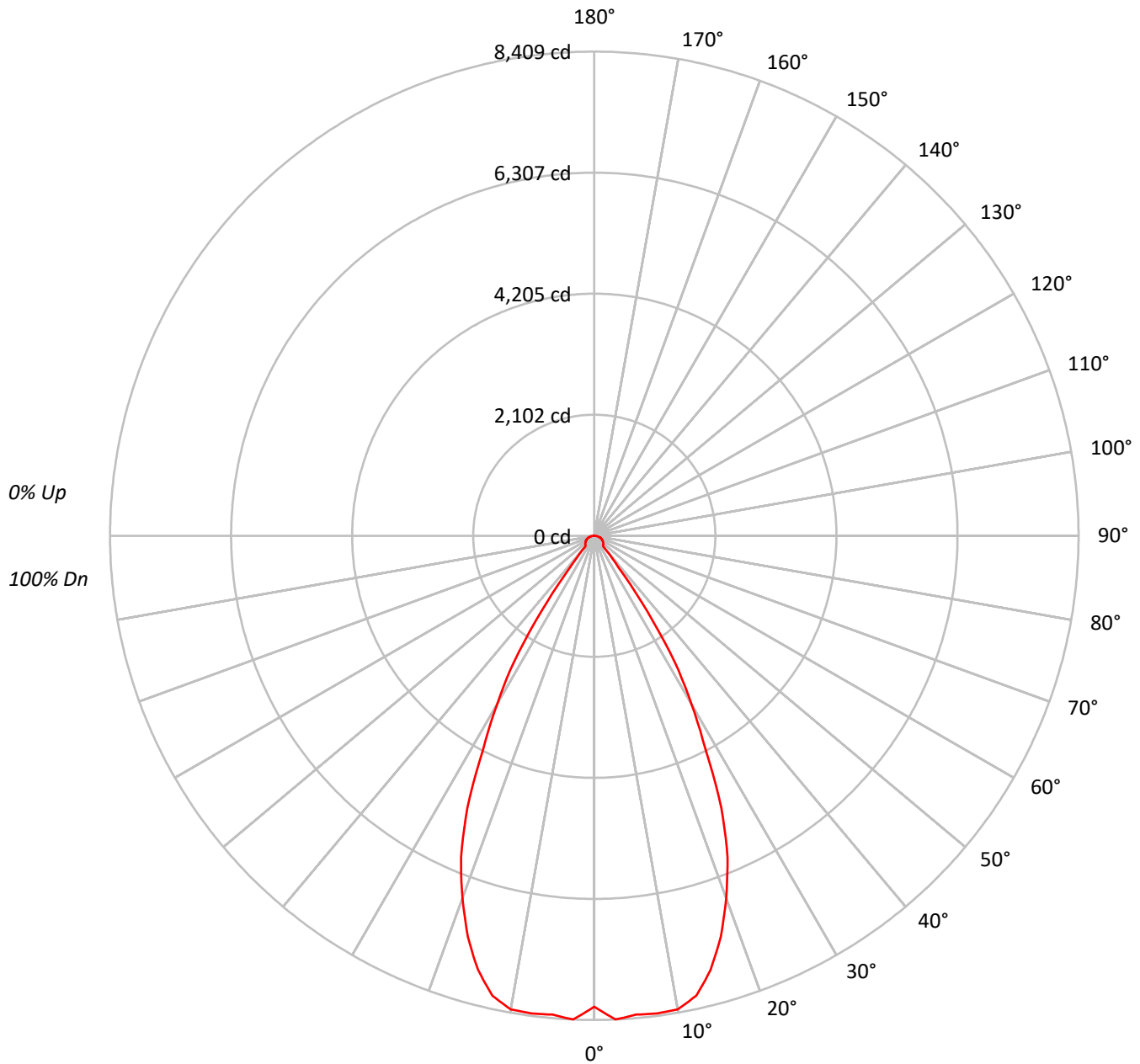


Downlight

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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93						
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86						
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80						
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75						
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70						
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66						
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62						
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59						
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55						
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	893666
5°	915637
10°	926701
15°	882806
20°	778365
25°	629567
30°	425852
35°	213399
40°	34616
45°	33886
50°	34557
55°	35069
60°	36056
65°	36867
70°	37760
75°	38205
80°	36809
85°	30714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 38205 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.9	11.6
10°-20°	2158.8	31.3
20°-30°	2322.7	33.7
30°-40°	1009.6	14.7
40°-50°	169.6	2.5
50°-60°	164.9	2.4
60°-70°	141.0	2.0
70°-80°	94.4	1.4
80°-90°	28.2	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°	5279.3	76.7
0°-40°	6289.0	91.3
0°-60°	6623.4	96.2
0°-90°	6887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6887.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8179	
5°	8348	798
15°	7804	2159
25°	5222	2323
35°	1600	1010
45°	219	170
55°	184	165
65°	143	141
75°	90	94
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8179.2
2.5°	8409.1
5°	8348.4
7.5°	8367.6
10°	8352.7
12.5°	8180.3
15°	7804.5
17.5°	7300.0
20°	6694.3
22.5°	6046.0
25°	5222.2
27.5°	4176.9
30°	3375.4
32.5°	2601.5
35°	1599.9
37.5°	684.4
40°	242.7
42.5°	223.5
45°	219.3
47.5°	211.8
50°	203.3
52.5°	193.7
55°	184.1
57.5°	174.6
60°	165.0
62.5°	154.3
65°	142.6
67.5°	130.9
70°	118.2
72.5°	104.3
75°	90.5
77.5°	74.5
80°	58.5
82.5°	41.5
85°	24.5
87.5°	8.5
90°	0.0



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— 0°-180°







(END OF REPORT)