

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: P753472

Luminaire Tested: LD4D75BD010-EU4DR6070959027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753472
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-EU4DR6070959027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6319.8 lumens
Efficiency: N/A
Efficacy: 87.3 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

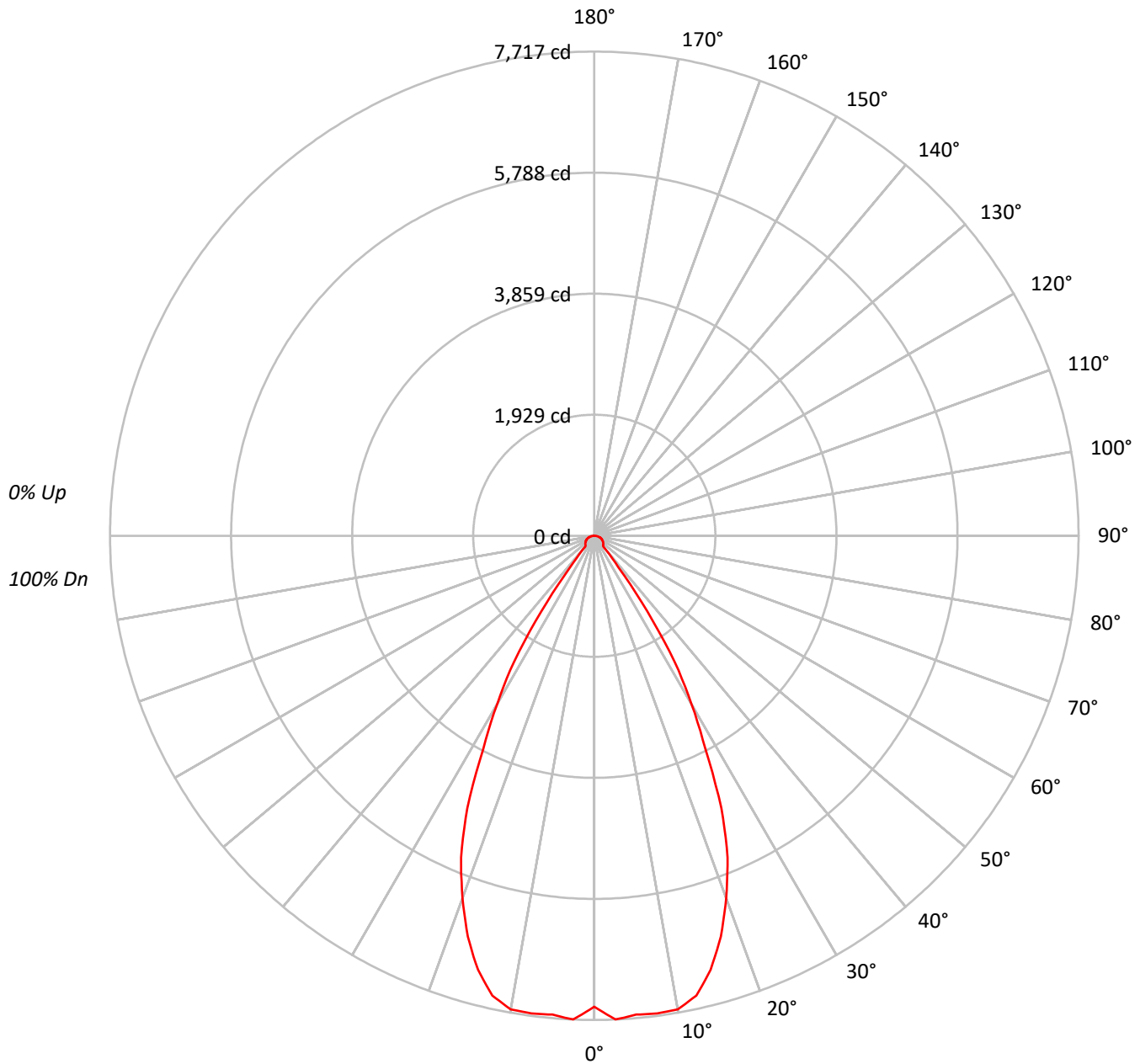


Downlight

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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
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°	820068
5°	840233
10°	850381
15°	810107
20°	714264
25°	577716
30°	390779
35°	195819
40°	31764
45°	31089
50°	31718
55°	32193
60°	33084
65°	33842
70°	34629
75°	35039
80°	33788
85°	28207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 35039 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.2	11.6
10°-20°	1981.0	31.3
20°-30°	2131.4	33.7
30°-40°	926.5	14.7
40°-50°	155.6	2.5
50°-60°	151.3	2.4
60°-70°	129.4	2.0
70°-80°	86.6	1.4
80°-90°	25.9	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°	4844.6	76.7
0°-40°	5771.0	91.3
0°-60°	6078.0	96.2
0°-90°	6319.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6319.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7506	
5°	7661	732
15°	7162	1981
25°	4792	2131
35°	1468	926
45°	201	156
55°	169	151
65°	131	129
75°	83	87
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7505.6
2.5°	7716.6
5°	7660.9
7.5°	7678.5
10°	7664.8
12.5°	7506.6
15°	7161.8
17.5°	6698.8
20°	6143.0
22.5°	5548.1
25°	4792.1
27.5°	3832.9
30°	3097.4
32.5°	2387.3
35°	1468.1
37.5°	628.1
40°	222.7
42.5°	205.1
45°	201.2
47.5°	194.4
50°	186.6
52.5°	177.8
55°	169.0
57.5°	160.2
60°	151.4
62.5°	141.6
65°	130.9
67.5°	120.1
70°	108.4
72.5°	95.7
75°	83.0
77.5°	68.4
80°	53.7
82.5°	38.1
85°	22.5
87.5°	7.8
90°	0.0



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— 0°-180°







(END OF REPORT)