

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: P753496

Luminaire Tested: LD4D75BD010-EU4DR6070959035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753496
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-EU4DR6070959035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7265.1 lumens
Efficiency: N/A
Efficacy: 100.3 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

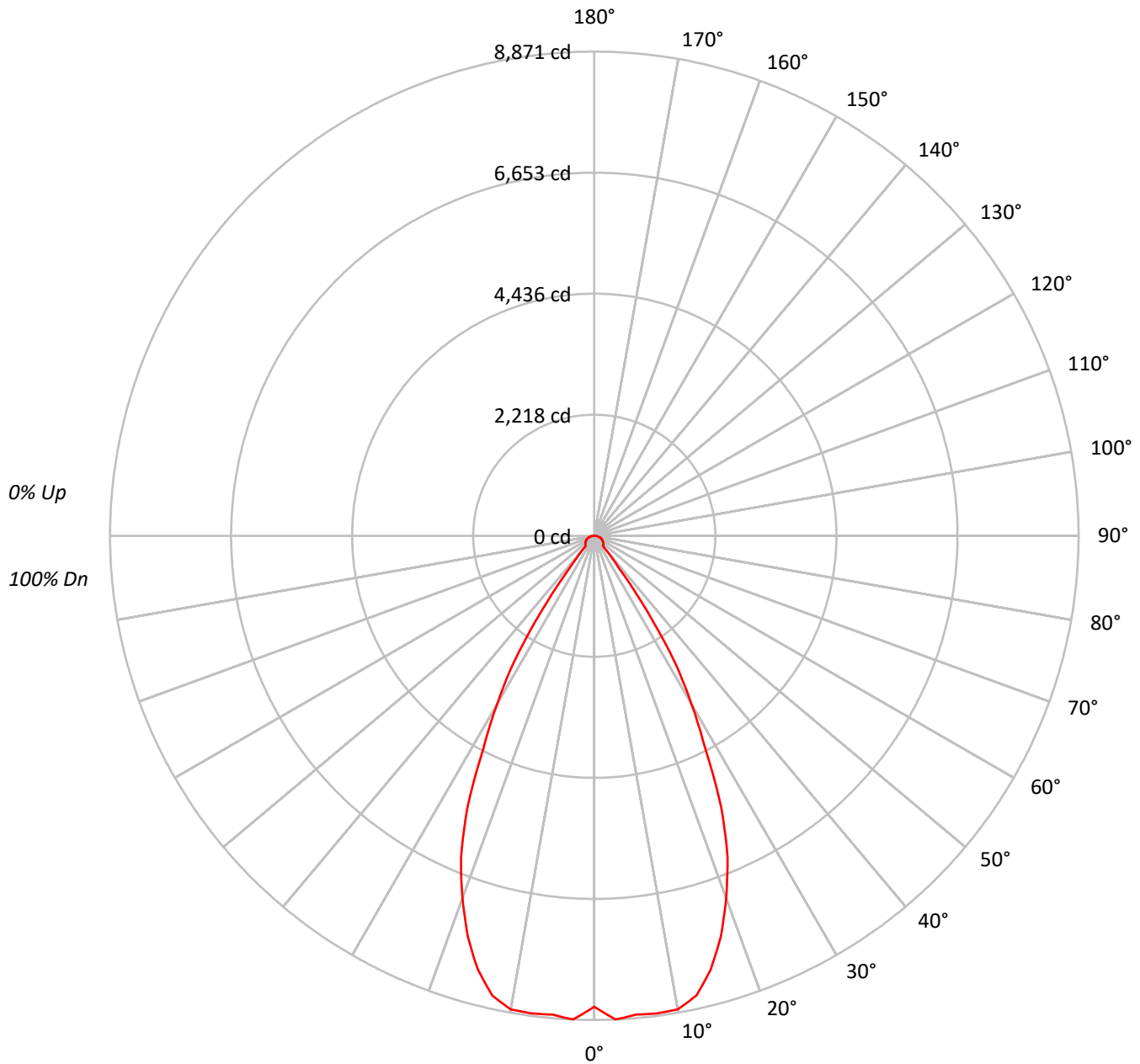


Downlight

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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	50	30	10
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°	942735
5°	965913
10°	977581
15°	931276
20°	821107
25°	664130
30°	449230
35°	225110
40°	36513
45°	35740
50°	36461
55°	37012
60°	38023
65°	38909
70°	39804
75°	40273
80°	38885
85°	32344

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 40273 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	841.7	11.6
10°-20°	2277.3	31.3
20°-30°	2450.2	33.7
30°-40°	1065.0	14.7
40°-50°	178.9	2.5
50°-60°	174.0	2.4
60°-70°	148.8	2.0
70°-80°	99.5	1.4
80°-90°	29.8	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°	5569.2	76.7
0°-40°	6634.2	91.3
0°-60°	6987.1	96.2
0°-90°	7265.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7265.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8628	
5°	8807	842
15°	8233	2277
25°	5509	2450
35°	1688	1065
45°	231	179
55°	194	174
65°	150	149
75°	95	100
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8628.3
2.5°	8870.8
5°	8806.8
7.5°	8827.1
10°	8811.3
12.5°	8629.4
15°	8233.0
17.5°	7700.8
20°	7061.9
22.5°	6378.0
25°	5508.9
27.5°	4406.2
30°	3560.7
32.5°	2744.3
35°	1687.7
37.5°	722.0
40°	256.0
42.5°	235.8
45°	231.3
47.5°	223.5
50°	214.5
52.5°	204.4
55°	194.3
57.5°	184.2
60°	174.0
62.5°	162.8
65°	150.5
67.5°	138.1
70°	124.6
72.5°	110.0
75°	95.4
77.5°	78.6
80°	61.8
82.5°	43.8
85°	25.8
87.5°	9.0
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)