

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: P746489

Luminaire Tested: LD4D30D010-EU4DR6020359040-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746489
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: LD4D30D010-EU4DR6020359040-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2913.7 lumens
Efficiency: N/A
Efficacy: 100.5 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): 29
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

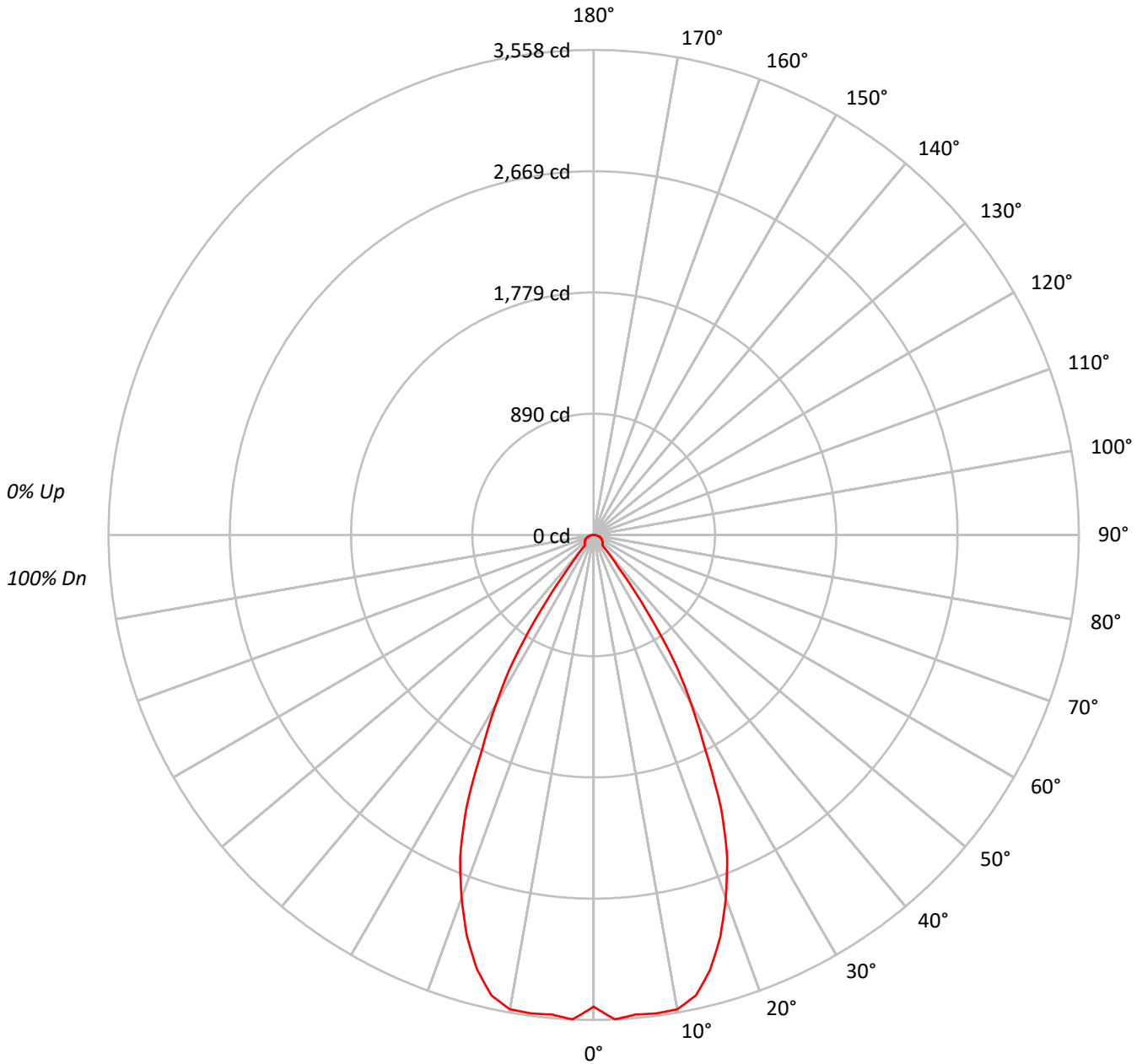


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	378086
5°	387383
10°	392062
15°	373495
20°	329308
25°	266356
30°	180161
35°	90273
40°	14648
45°	14339
50°	14618
55°	14839
60°	15253
65°	15590
70°	15973
75°	16168
80°	15604
85°	13038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 16168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.6	11.6
10°-20°	913.3	31.3
20°-30°	982.7	33.7
30°-40°	427.1	14.7
40°-50°	71.7	2.5
50°-60°	69.8	2.4
60°-70°	59.7	2.0
70°-80°	39.9	1.4
80°-90°	12.0	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°	2233.5	76.7
0°-40°	2660.7	91.3
0°-60°	2802.2	96.2
0°-90°	2913.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2913.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3460	
5°	3532	338
15°	3302	913
25°	2209	983
35°	677	427
45°	93	72
55°	78	70
65°	60	60
75°	38	40
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3460.4
2.5°	3557.7
5°	3532.0
7.5°	3540.1
10°	3533.8
12.5°	3460.9
15°	3301.9
17.5°	3088.4
20°	2832.2
22.5°	2557.9
25°	2209.4
27.5°	1767.1
30°	1428.0
32.5°	1100.6
35°	676.8
37.5°	289.6
40°	102.7
42.5°	94.6
45°	92.8
47.5°	89.6
50°	86.0
52.5°	82.0
55°	77.9
57.5°	73.9
60°	69.8
62.5°	65.3
65°	60.3
67.5°	55.4
70°	50.0
72.5°	44.1
75°	38.3
77.5°	31.5
80°	24.8
82.5°	17.6
85°	10.4
87.5°	3.6
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)