

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: P746646

Luminaire Tested: LD4D30D010-EU4DR7020359040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR7020359040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3079.4 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
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

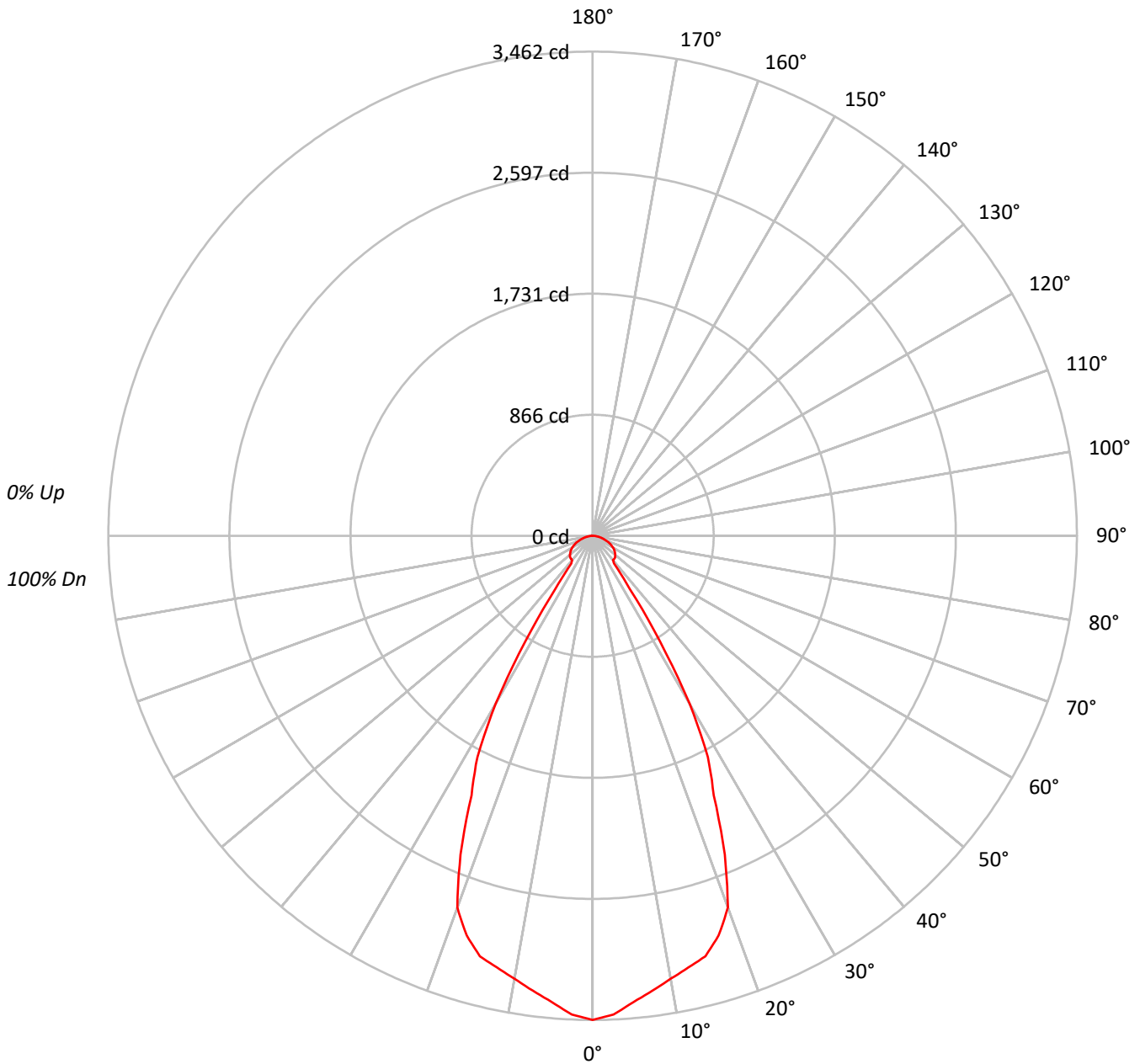


Downlight



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	378283
5°	367038
10°	356803
15°	352127
20°	328820
25°	247019
30°	174623
35°	61850
40°	32520
45°	34643
50°	35866
55°	36555
60°	36777
65°	35988
70°	33958
75°	31450
80°	27937
85°	22691

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 36786 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.6	10.3
10°-20°	865.8	28.1
20°-30°	953.6	31.0
30°-40°	364.3	11.8
40°-50°	172.0	5.6
50°-60°	171.0	5.6
60°-70°	136.9	4.4
70°-80°	78.7	2.6
80°-90°	21.4	0.7
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°	2135.0	69.3
0°-40°	2499.3	81.2
0°-60°	2842.4	92.3
0°-90°	3079.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3079.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3462	
5°	3346	316
15°	3113	866
25°	2049	954
35°	464	364
45°	224	172
55°	192	171
65°	139	137
75°	74	79
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3462.2
2.5°	3426.0
5°	3346.5
7.5°	3280.2
10°	3216.0
12.5°	3161.8
15°	3113.0
17.5°	2995.2
20°	2828.0
22.5°	2467.3
25°	2049.0
27.5°	1783.7
30°	1384.1
32.5°	894.0
35°	463.7
37.5°	250.5
40°	228.0
42.5°	226.4
45°	224.2
47.5°	219.3
50°	211.0
52.5°	201.7
55°	191.9
57.5°	180.9
60°	168.3
62.5°	154.0
65°	139.2
67.5°	122.8
70°	106.3
72.5°	89.9
75°	74.5
77.5°	58.7
80°	44.4
82.5°	31.2
85°	18.1
87.5°	7.1
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)