

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: P747375

Luminaire Tested: LD4D35BD010-EU4DR7020359024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747375
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: LD4D35BD010-EU4DR7020359024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2159.0 lumens
Efficiency: N/A
Efficacy: 70.1 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

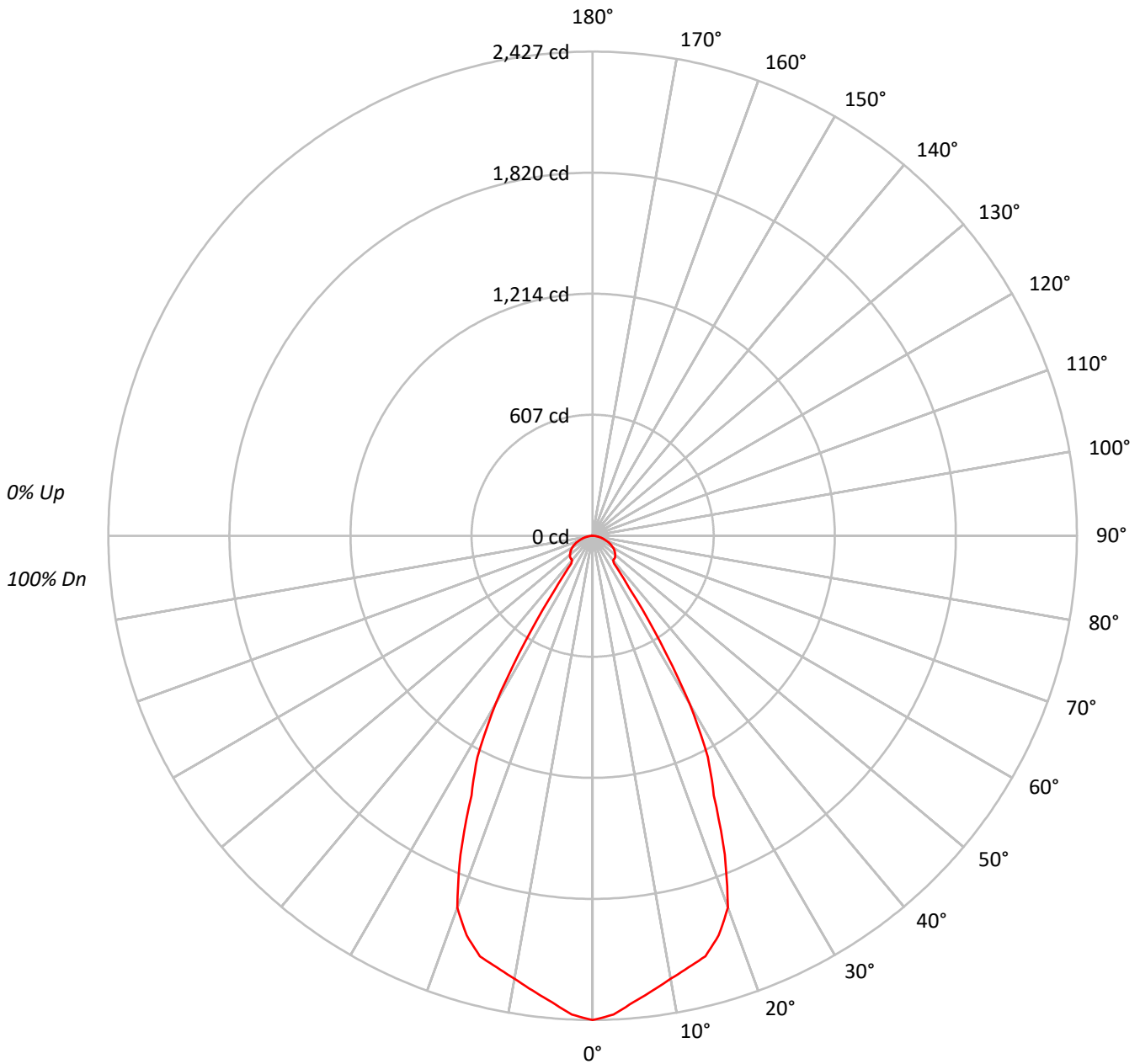
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	265209
5°	257338
10°	250162
15°	246874
20°	230534
25°	173191
30°	122429
35°	43363
40°	22807
45°	24290
50°	25157
55°	25621
60°	25786
65°	25233
70°	23831
75°	22079
80°	19568
85°	15921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 25786 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.3	10.3
10°-20°	607.0	28.1
20°-30°	668.6	31.0
30°-40°	255.4	11.8
40°-50°	120.6	5.6
50°-60°	119.9	5.6
60°-70°	96.0	4.4
70°-80°	55.2	2.6
80°-90°	15.0	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°	1496.9	69.3
0°-40°	1752.3	81.2
0°-60°	1992.8	92.3
0°-90°	2159.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2159.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2427	
5°	2346	221
15°	2182	607
25°	1437	669
35°	325	255
45°	157	121
55°	134	120
65°	98	96
75°	52	55
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2427.3
2.5°	2402.0
5°	2346.3
7.5°	2299.8
10°	2254.8
12.5°	2216.7
15°	2182.5
17.5°	2099.9
20°	1982.7
22.5°	1729.8
25°	1436.6
27.5°	1250.6
30°	970.4
32.5°	626.8
35°	325.1
37.5°	175.6
40°	159.9
42.5°	158.7
45°	157.2
47.5°	153.7
50°	148.0
52.5°	141.4
55°	134.5
57.5°	126.8
60°	118.0
62.5°	108.0
65°	97.6
67.5°	86.1
70°	74.6
72.5°	63.0
75°	52.3
77.5°	41.1
80°	31.1
82.5°	21.9
85°	12.7
87.5°	5.0
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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