

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: P750378

Luminaire Tested: LD4D55D010-EU4DR6055659035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750378
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: LD4D55D010-EU4DR6055659035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5021.5 lumens
Efficiency: N/A
Efficacy: 86.3 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

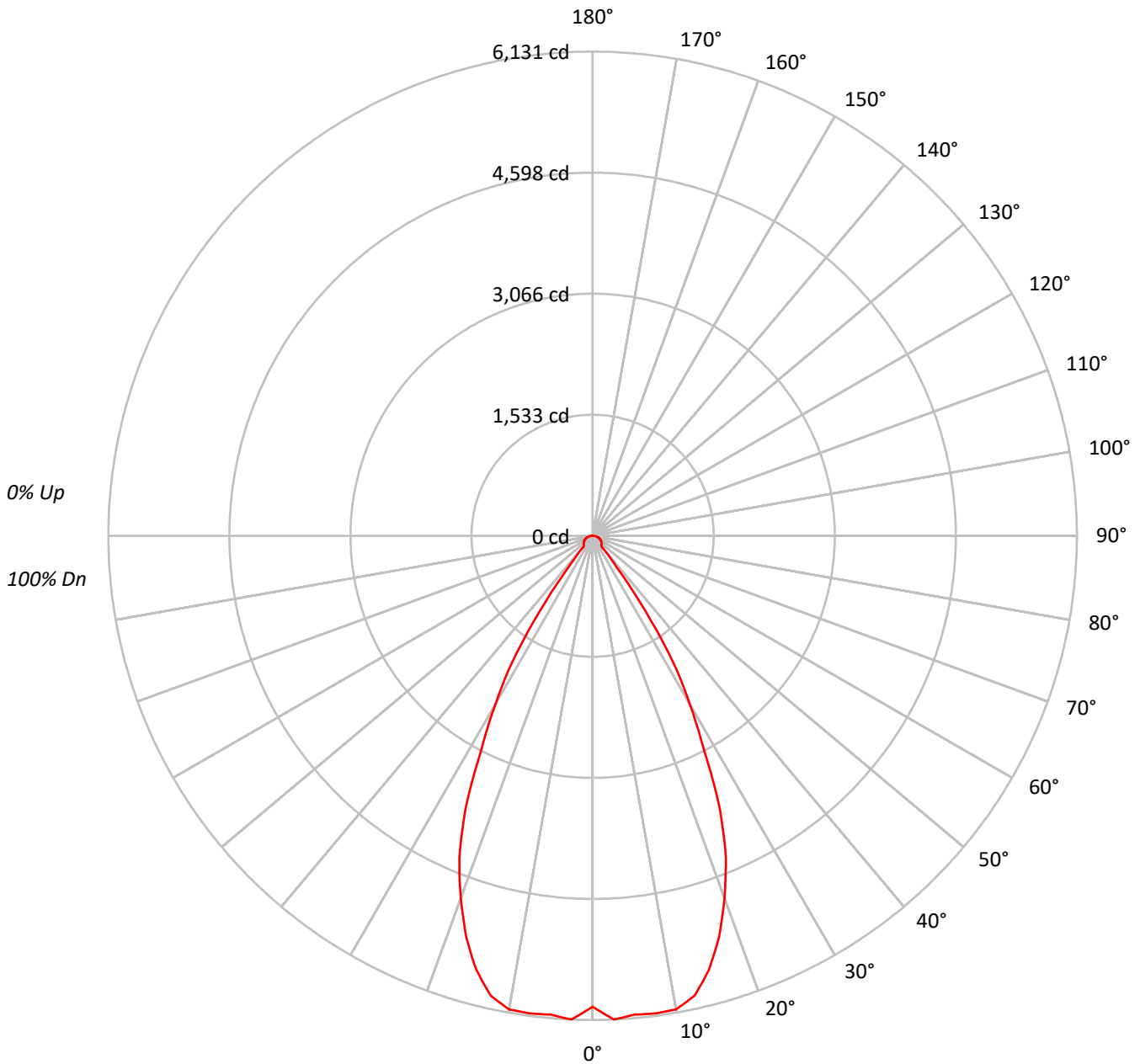
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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				100															
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	651587
5°	667611
10°	675674
15°	643670
20°	567516
25°	459029
30°	310488
35°	155591
40°	25245
45°	24707
50°	25191
55°	25583
60°	26288
65°	26887
70°	27505
75°	27862
80°	26867
85°	22440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 27862 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.8	11.6
10°-20°	1574.0	31.3
20°-30°	1693.5	33.7
30°-40°	736.1	14.7
40°-50°	123.6	2.5
50°-60°	120.2	2.4
60°-70°	102.8	2.0
70°-80°	68.8	1.4
80°-90°	20.6	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°	3849.2	76.7
0°-40°	4585.4	91.3
0°-60°	4829.2	96.2
0°-90°	5021.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5021.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5964	
5°	6087	582
15°	5690	1574
25°	3808	1693
35°	1166	736
45°	160	124
55°	134	120
65°	104	103
75°	66	69
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5963.6
2.5°	6131.2
5°	6087.0
7.5°	6101.0
10°	6090.1
12.5°	5964.4
15°	5690.4
17.5°	5322.5
20°	4880.9
22.5°	4408.3
25°	3807.6
27.5°	3045.4
30°	2461.0
32.5°	1896.8
35°	1166.5
37.5°	499.0
40°	177.0
42.5°	163.0
45°	159.9
47.5°	154.4
50°	148.2
52.5°	141.3
55°	134.3
57.5°	127.3
60°	120.3
62.5°	112.5
65°	104.0
67.5°	95.5
70°	86.1
72.5°	76.1
75°	66.0
77.5°	54.3
80°	42.7
82.5°	30.3
85°	17.9
87.5°	6.2
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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