

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: P793142

Luminaire Tested: LER6D45BD010-EC6DR6540509040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D45BD010-EC6DR6540509040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4546.2 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

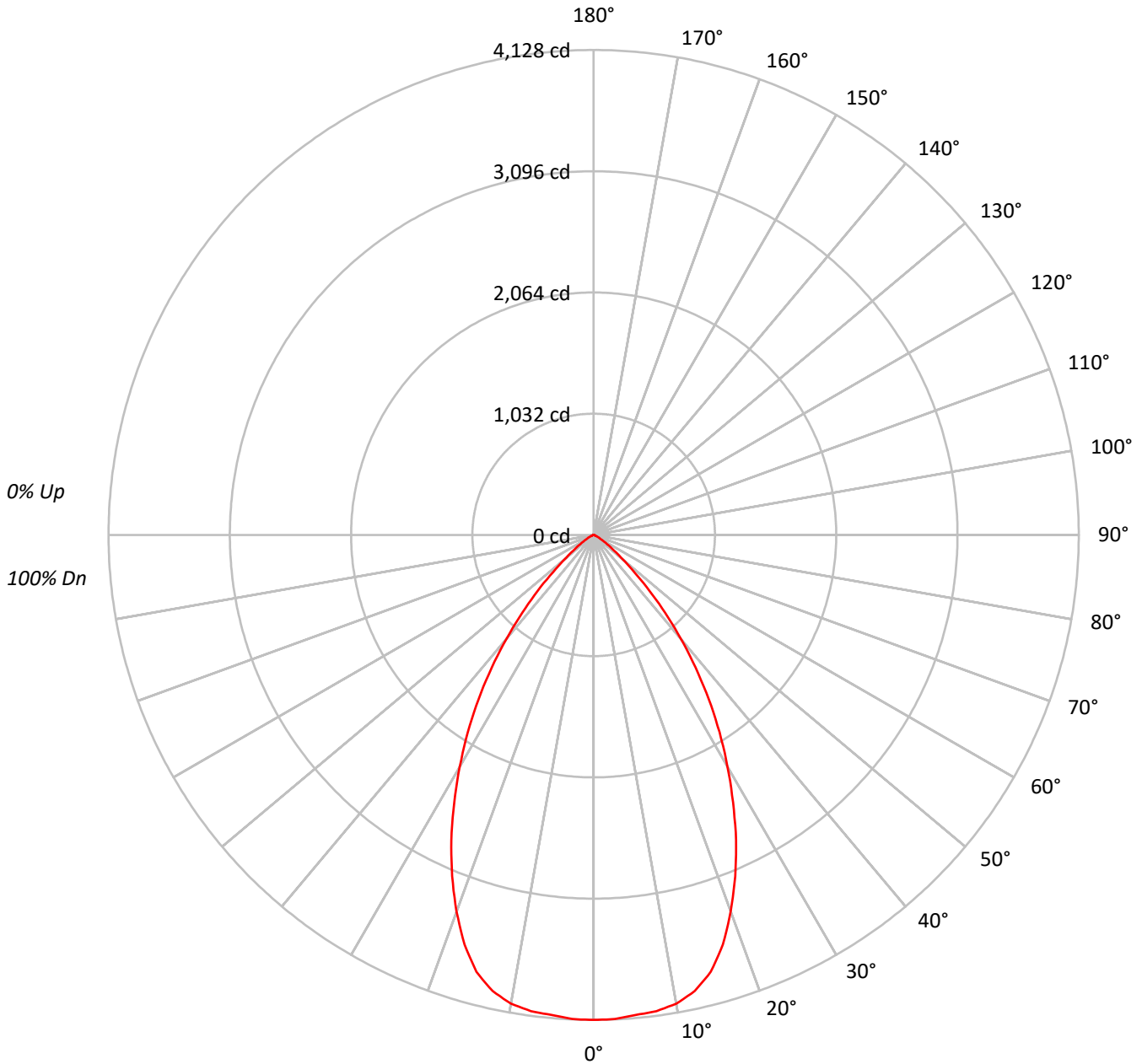
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	241079
5°	240476
10°	240268
15°	232859
20°	211995
25°	184735
30°	153653
35°	121748
40°	87868
45°	55512
50°	28939
55°	15375
60°	8083
65°	4436
70°	1861
75°	2053
80°	1413
85°	1206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 55512 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.4	8.6
10°-20°	1069.0	23.5
20°-30°	1306.6	28.7
30°-40°	1060.2	23.3
40°-50°	528.3	11.6
50°-60°	147.4	3.2
60°-70°	33.5	0.7
70°-80°	8.7	0.2
80°-90°	2.2	0.0
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°	2766.0	60.8
0°-40°	3826.1	84.2
0°-60°	4501.8	99.0
0°-90°	4546.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4546.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4128	
5°	4102	390
15°	3851	1069
25°	2867	1307
35°	1708	1060
45°	672	528
55°	151	147
65°	32	33
75°	9	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4127.8
2.5°	4124.8
5°	4101.8
7.5°	4088.4
10°	4051.4
12.5°	3976.2
15°	3851.2
17.5°	3655.9
20°	3410.9
22.5°	3146.4
25°	2866.7
27.5°	2567.7
30°	2278.4
32.5°	1992.6
35°	1707.6
37.5°	1423.1
40°	1152.5
42.5°	899.0
45°	672.1
47.5°	468.3
50°	318.5
52.5°	219.6
55°	151.0
57.5°	101.9
60°	69.2
62.5°	47.9
65°	32.1
67.5°	16.4
70°	10.9
72.5°	10.3
75°	9.1
77.5°	6.1
80°	4.2
82.5°	3.0
85°	1.8
87.5°	1.2
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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