

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: P766843

Luminaire Tested: LD6D45BD010-EU6DR6040509024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766843
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: LD6D45BD010-EU6DR6040509024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3816.1 lumens
Efficiency: N/A
Efficacy: 98.6 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

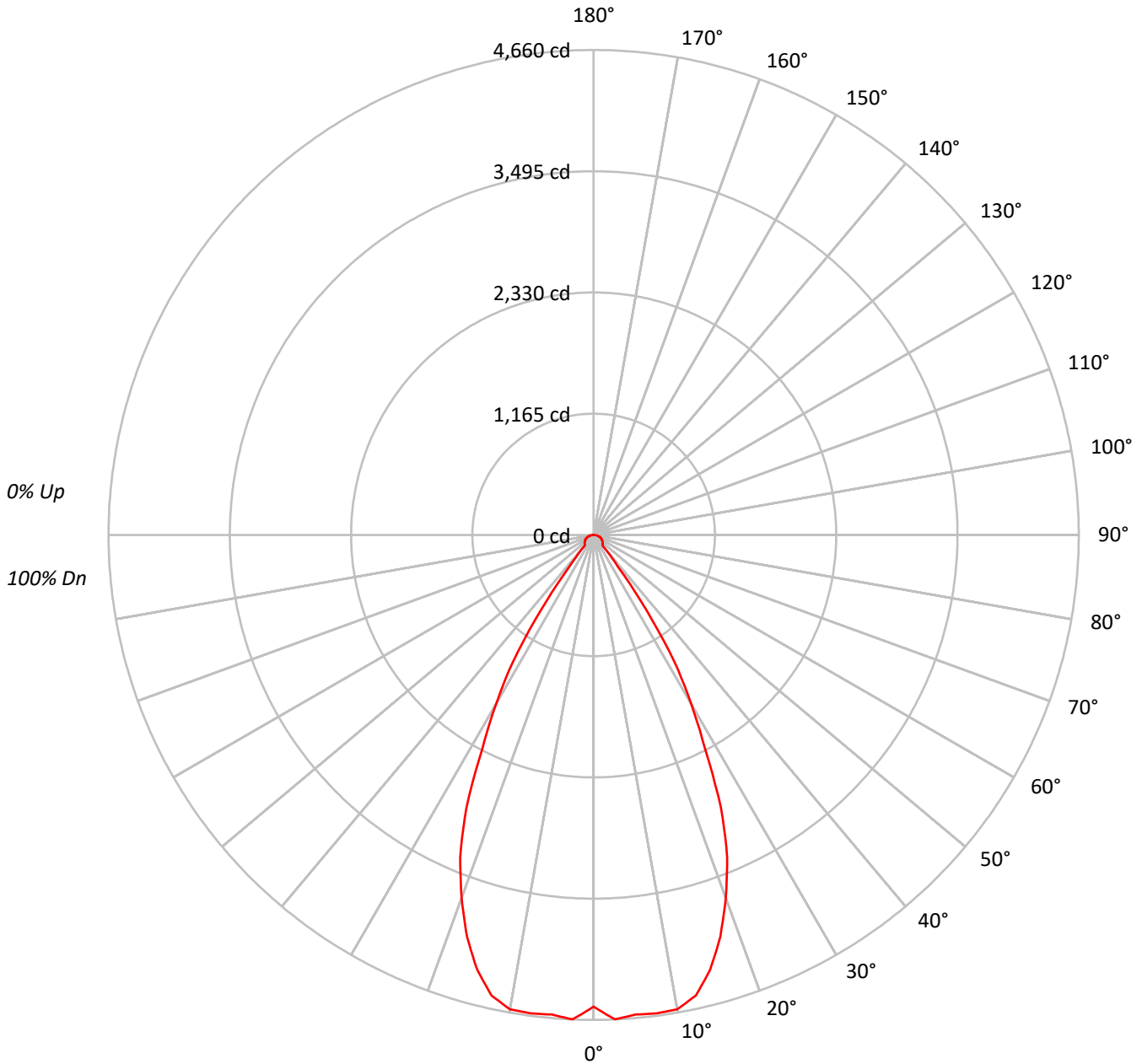
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	495181
5°	507360
10°	513493
15°	489166
20°	431291
25°	348841
30°	235964
35°	118244
40°	19184
45°	18774
50°	19157
55°	19430
60°	19973
65°	20424
70°	20924
75°	21150
80°	20386
85°	17049

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 21150 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.1	11.6
10°-20°	1196.2	31.3
20°-30°	1287.0	33.7
30°-40°	559.4	14.7
40°-50°	94.0	2.5
50°-60°	91.3	2.4
60°-70°	78.1	2.0
70°-80°	52.3	1.4
80°-90°	15.6	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°	2925.3	76.7
0°-40°	3484.7	91.3
0°-60°	3670.0	96.2
0°-90°	3816.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3816.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4532	
5°	4626	442
15°	4324	1196
25°	2894	1287
35°	886	559
45°	122	94
55°	102	91
65°	79	78
75°	50	52
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4532.1
2.5°	4659.5
5°	4625.9
7.5°	4636.5
10°	4628.3
12.5°	4532.7
15°	4324.5
17.5°	4044.9
20°	3709.3
22.5°	3350.1
25°	2893.6
27.5°	2314.4
30°	1870.3
32.5°	1441.5
35°	886.5
37.5°	379.3
40°	134.5
42.5°	123.9
45°	121.5
47.5°	117.4
50°	112.7
52.5°	107.3
55°	102.0
57.5°	96.7
60°	91.4
62.5°	85.5
65°	79.0
67.5°	72.5
70°	65.5
72.5°	57.8
75°	50.1
77.5°	41.3
80°	32.4
82.5°	23.0
85°	13.6
87.5°	4.7
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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