

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: P766862

Luminaire Tested: LD6D45BD010-EU6DR6040509027-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766862
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-EU6DR6040509027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4290.8 lumens
Efficiency: N/A
Efficacy: 110.9 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

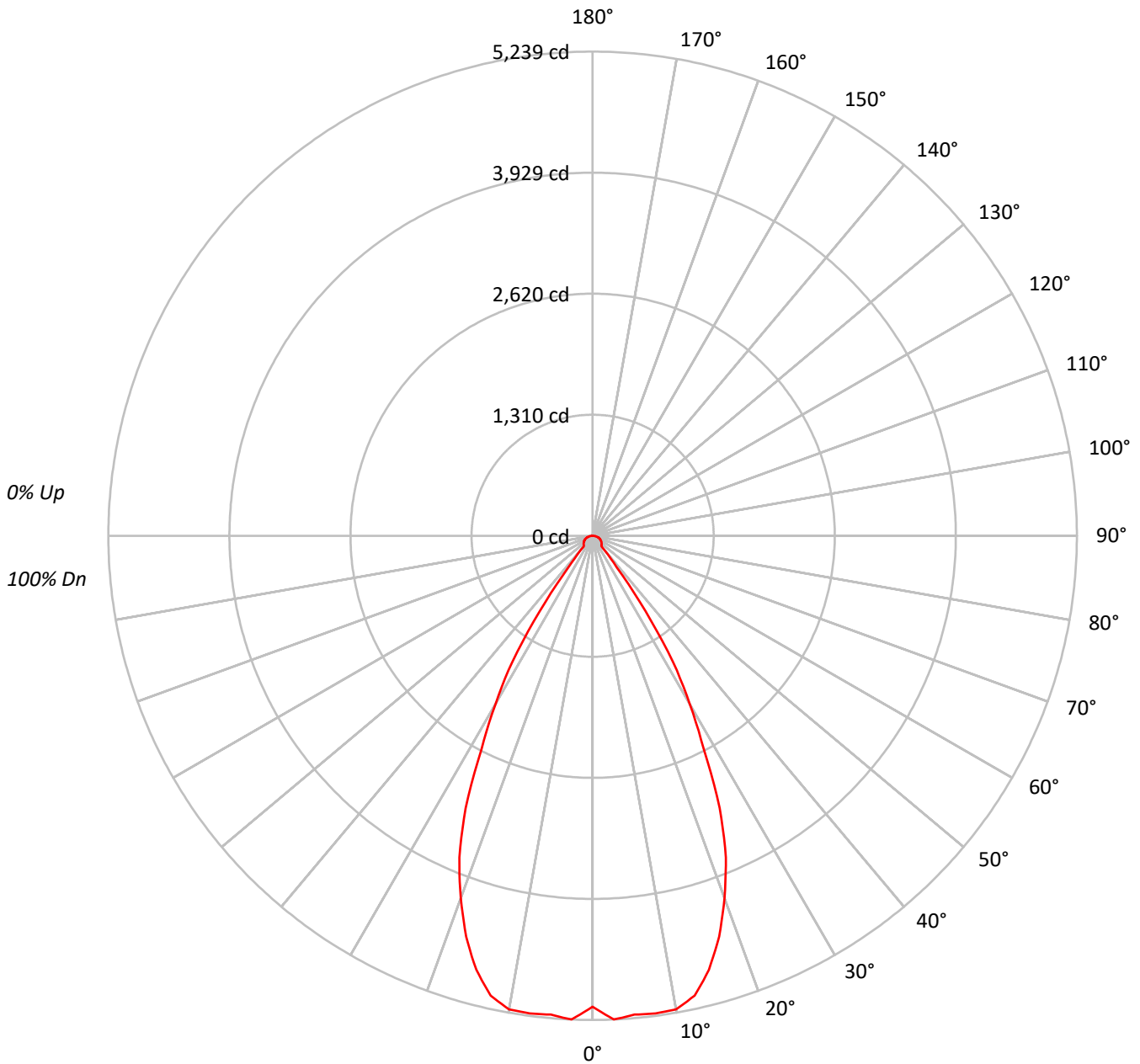
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0	
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°	556771
5°	570469
10°	577353
15°	550011
20°	484939
25°	392229
30°	265309
35°	132943
40°	21566
45°	21107
50°	21536
55°	21849
60°	22464
65°	22984
70°	23512
75°	23809
80°	22966
85°	19180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 23809 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.1	11.6
10°-20°	1345.0	31.3
20°-30°	1447.1	33.7
30°-40°	629.0	14.7
40°-50°	105.7	2.5
50°-60°	102.7	2.4
60°-70°	87.9	2.0
70°-80°	58.8	1.4
80°-90°	17.6	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°	3289.1	76.7
0°-40°	3918.1	91.3
0°-60°	4126.5	96.2
0°-90°	4290.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4290.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5096	
5°	5201	497
15°	4862	1345
25°	3254	1447
35°	997	629
45°	137	106
55°	115	103
65°	89	88
75°	56	59
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5095.8
2.5°	5239.1
5°	5201.3
7.5°	5213.2
10°	5203.9
12.5°	5096.5
15°	4862.4
17.5°	4548.0
20°	4170.7
22.5°	3766.8
25°	3253.5
27.5°	2602.3
30°	2102.9
32.5°	1620.8
35°	996.7
37.5°	426.4
40°	151.2
42.5°	139.3
45°	136.6
47.5°	132.0
50°	126.7
52.5°	120.7
55°	114.7
57.5°	108.8
60°	102.8
62.5°	96.2
65°	88.9
67.5°	81.6
70°	73.6
72.5°	65.0
75°	56.4
77.5°	46.4
80°	36.5
82.5°	25.9
85°	15.3
87.5°	5.3
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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