

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: P767011

Luminaire Tested: LD6D45BD010-EU6DR7040509027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767011
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: LD6D45BD010-EU6DR7040509027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5044.9 lumens
Efficiency: N/A
Efficacy: 130.4 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

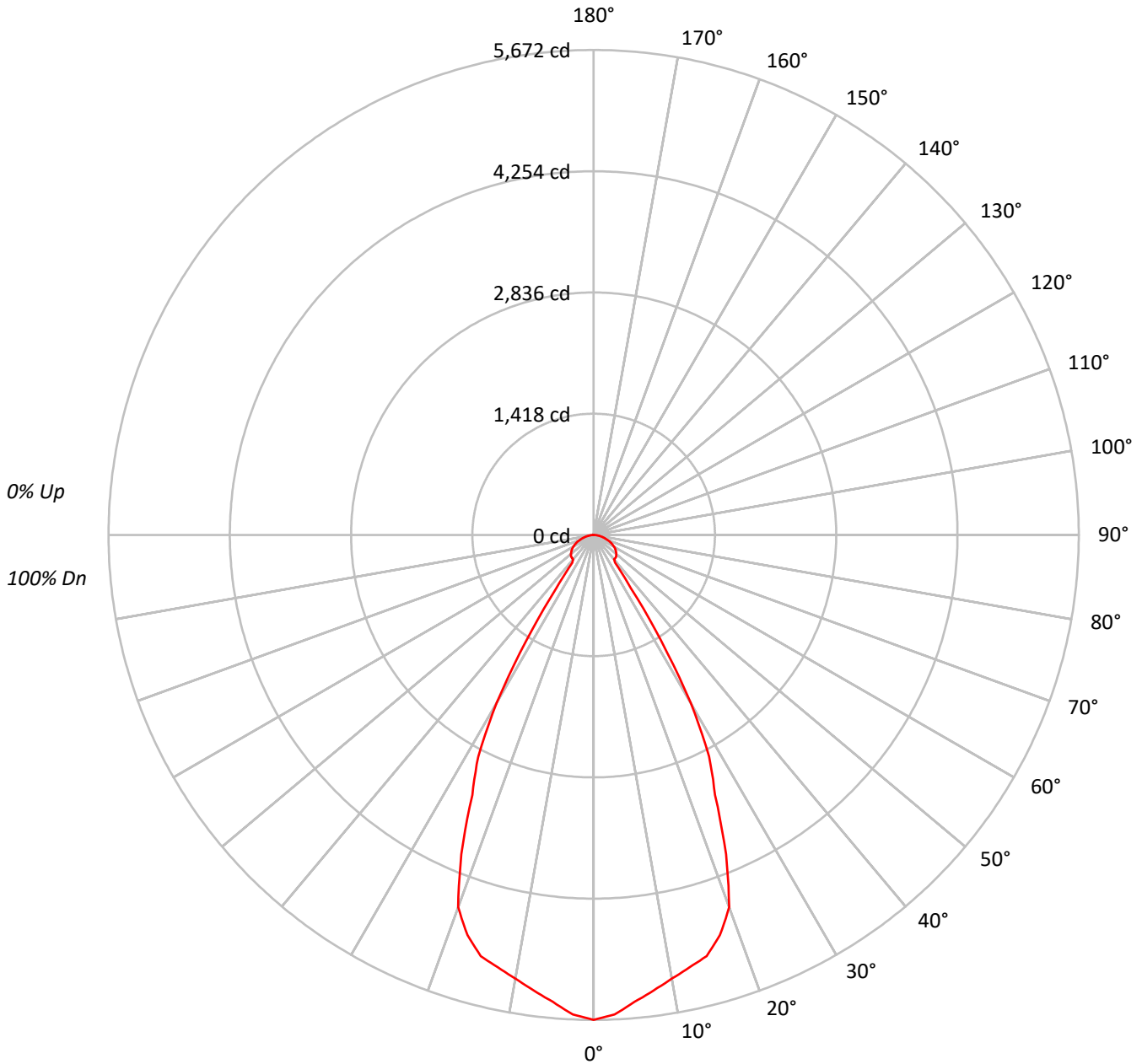
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	619727
5°	601310
10°	584543
15°	576875
20°	538681
25°	404682
30°	286076
35°	101331
40°	53286
45°	56754
50°	58762
55°	59871
60°	60246
65°	58971
70°	55649
75°	51545
80°	45743
85°	37107

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 60253 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.1	10.3
10°-20°	1418.4	28.1
20°-30°	1562.2	31.0
30°-40°	596.9	11.8
40°-50°	281.8	5.6
50°-60°	280.2	5.6
60°-70°	224.3	4.4
70°-80°	128.9	2.6
80°-90°	35.0	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°	3497.7	69.3
0°-40°	4094.6	81.2
0°-60°	4656.6	92.3
0°-90°	5044.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5044.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5672	
5°	5482	517
15°	5100	1418
25°	3357	1562
35°	760	597
45°	367	282
55°	314	280
65°	228	224
75°	122	129
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5672.0
2.5°	5612.7
5°	5482.5
7.5°	5373.8
10°	5268.7
12.5°	5179.8
15°	5099.9
17.5°	4906.8
20°	4632.9
22.5°	4042.0
25°	3356.8
27.5°	2922.2
30°	2267.5
32.5°	1464.7
35°	759.7
37.5°	410.4
40°	373.6
42.5°	370.9
45°	367.3
47.5°	359.2
50°	345.7
52.5°	330.5
55°	314.3
57.5°	296.3
60°	275.7
62.5°	252.3
65°	228.1
67.5°	201.2
70°	174.2
72.5°	147.3
75°	122.1
77.5°	96.1
80°	72.7
82.5°	51.2
85°	29.6
87.5°	11.7
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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(END OF REPORT)