

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: P767062

Luminaire Tested: LD6D45BD010-EU6DR7040509050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767062
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-EU6DR7040509050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5273.3 lumens
Efficiency: N/A
Efficacy: 136.3 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

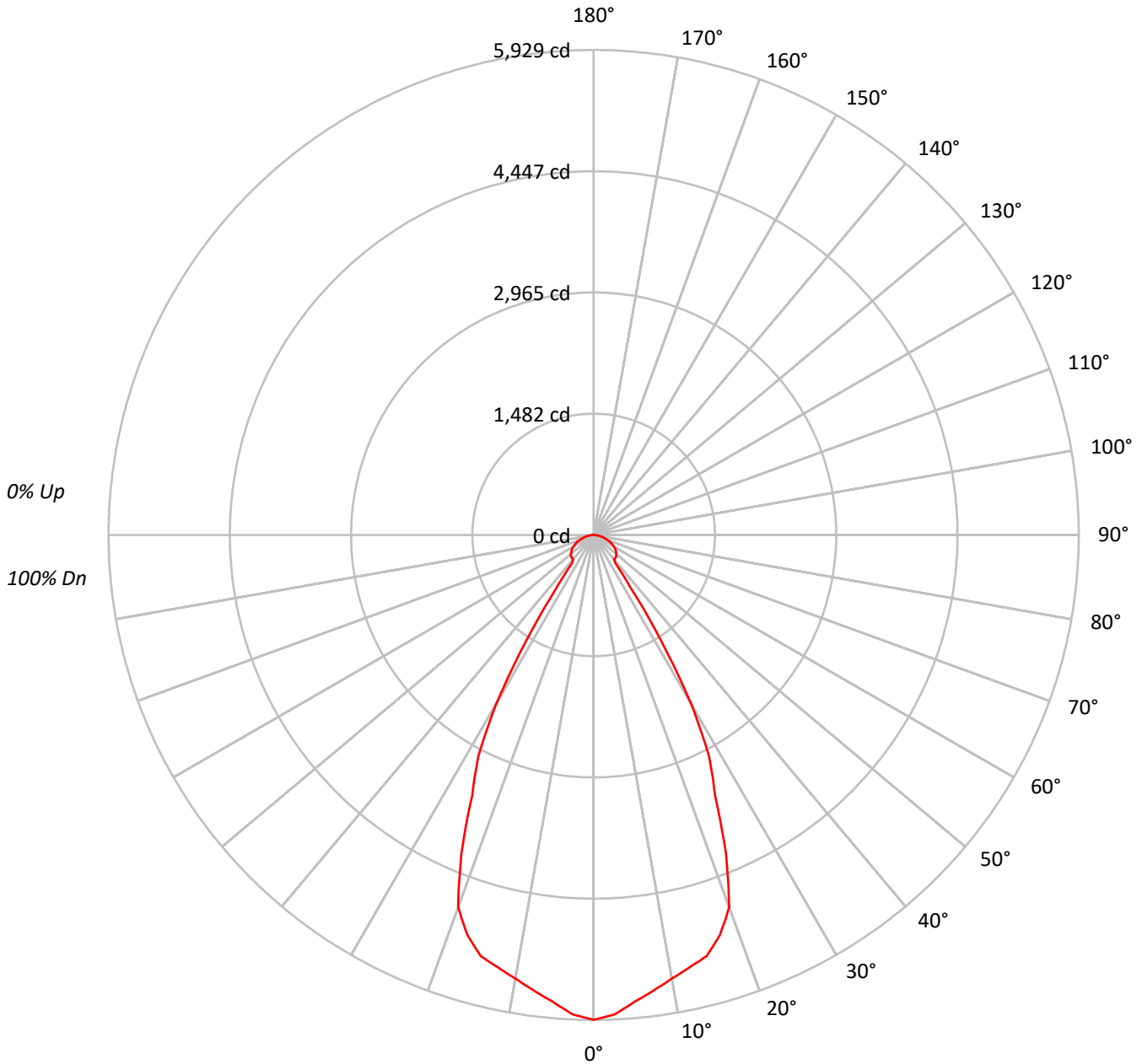
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	647774
5°	628521
10°	611003
15°	602982
20°	563063
25°	423007
30°	299033
35°	105919
40°	55697
45°	59319
50°	61431
55°	62576
60°	62978
65°	61634
70°	58173
75°	53909
80°	47820
85°	38862

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 62998 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.5	10.3
10°-20°	1482.6	28.1
20°-30°	1632.9	31.0
30°-40°	623.9	11.8
40°-50°	294.6	5.6
50°-60°	292.9	5.6
60°-70°	234.5	4.4
70°-80°	134.7	2.6
80°-90°	36.6	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°	3656.1	69.3
0°-40°	4280.0	81.2
0°-60°	4867.4	92.3
0°-90°	5273.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5273.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5929	
5°	5731	541
15°	5331	1483
25°	3509	1633
35°	794	624
45°	384	295
55°	328	293
65°	238	234
75°	128	135
85°	31	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5928.7
2.5°	5866.7
5°	5730.6
7.5°	5617.0
10°	5507.2
12.5°	5414.3
15°	5330.7
17.5°	5128.9
20°	4842.6
22.5°	4225.0
25°	3508.8
27.5°	3054.5
30°	2370.2
32.5°	1531.0
35°	794.1
37.5°	429.0
40°	390.5
42.5°	387.7
45°	383.9
47.5°	375.5
50°	361.4
52.5°	345.4
55°	328.5
57.5°	309.8
60°	288.2
62.5°	263.8
65°	238.4
67.5°	210.3
70°	182.1
72.5°	153.9
75°	127.7
77.5°	100.4
80°	76.0
82.5°	53.5
85°	31.0
87.5°	12.2
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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(END OF REPORT)