

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: P766880

Luminaire Tested: LD6D45BD010-EU6DR6040509035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766880
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-EU6DR6040509035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4969.5 lumens
Efficiency: N/A
Efficacy: 128.4 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

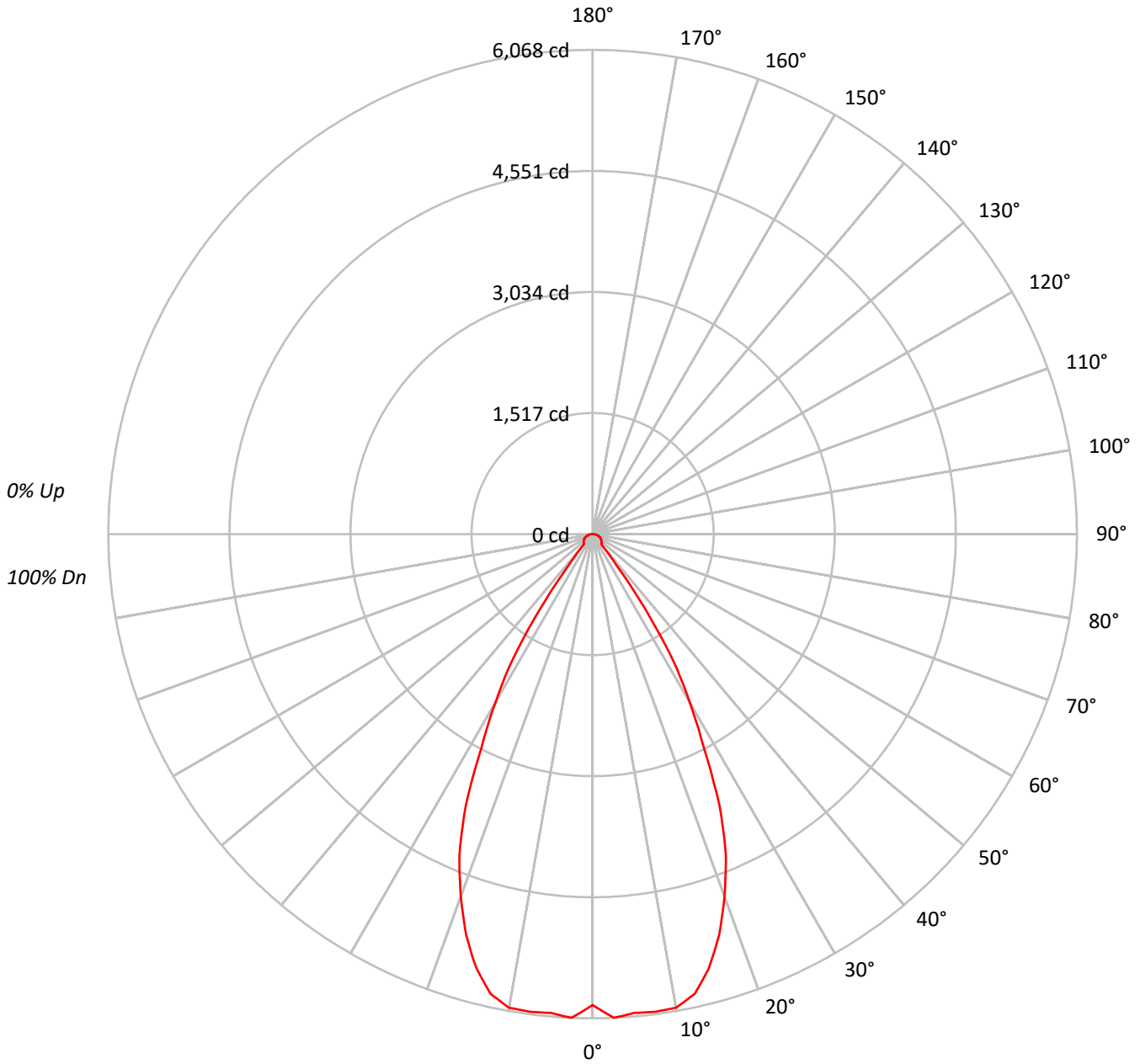
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	644835
5°	660701
10°	668673
15°	637007
20°	561644
25°	454267
30°	307271
35°	153977
40°	24974
45°	24445
50°	24936
55°	25316
60°	26026
65°	26603
70°	27250
75°	27566
80°	26553
85°	22189

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 27566 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.7	11.6
10°-20°	1557.7	31.3
20°-30°	1675.9	33.7
30°-40°	728.5	14.7
40°-50°	122.3	2.5
50°-60°	119.0	2.4
60°-70°	101.8	2.0
70°-80°	68.1	1.4
80°-90°	20.4	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°	3809.4	76.7
0°-40°	4537.9	91.3
0°-60°	4779.2	96.2
0°-90°	4969.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4969.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5902	
5°	6024	576
15°	5632	1558
25°	3768	1676
35°	1154	729
45°	158	122
55°	133	119
65°	103	102
75°	65	68
85°	18	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5901.8
2.5°	6067.7
5°	6024.0
7.5°	6037.8
10°	6027.0
12.5°	5902.6
15°	5631.5
17.5°	5267.4
20°	4830.4
22.5°	4362.6
25°	3768.1
27.5°	3013.9
30°	2435.5
32.5°	1877.2
35°	1154.4
37.5°	493.9
40°	175.1
42.5°	161.3
45°	158.2
47.5°	152.8
50°	146.7
52.5°	139.8
55°	132.9
57.5°	126.0
60°	119.1
62.5°	111.4
65°	102.9
67.5°	94.5
70°	85.3
72.5°	75.3
75°	65.3
77.5°	53.8
80°	42.2
82.5°	30.0
85°	17.7
87.5°	6.1
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)