

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: P766855

Luminaire Tested: LD6D45BD010-EU6DR6040509027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766855
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-EU6DR6040509027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5012.0 lumens
Efficiency: N/A
Efficacy: 129.5 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

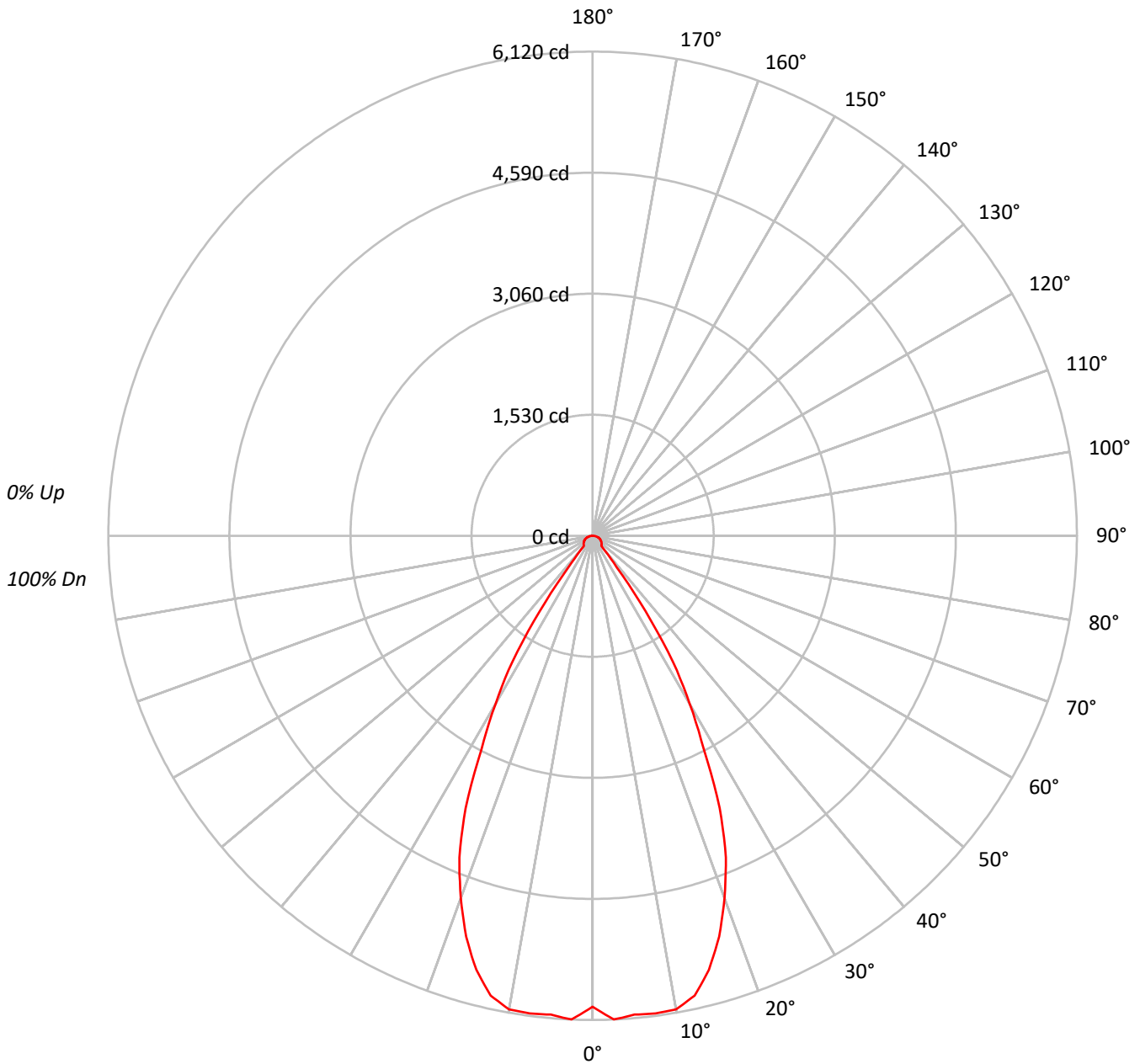
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
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°	650375
5°	666360
10°	674409
15°	642471
20°	566458
25°	458173
30°	309908
35°	155298
40°	25188
45°	24661
50°	25157
55°	25526
60°	26244
65°	26836
70°	27473
75°	27778
80°	26804
85°	22315

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 27778 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.7	11.6
10°-20°	1571.1	31.3
20°-30°	1690.3	33.7
30°-40°	734.8	14.7
40°-50°	123.4	2.5
50°-60°	120.0	2.4
60°-70°	102.6	2.0
70°-80°	68.6	1.4
80°-90°	20.5	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°	3842.1	76.7
0°-40°	4576.8	91.3
0°-60°	4820.2	96.2
0°-90°	5012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5012.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5952	
5°	6076	581
15°	5680	1571
25°	3800	1690
35°	1164	735
45°	160	123
55°	134	120
65°	104	103
75°	66	69
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5952.5
2.5°	6119.8
5°	6075.6
7.5°	6089.6
10°	6078.7
12.5°	5953.2
15°	5679.8
17.5°	5312.6
20°	4871.8
22.5°	4400.0
25°	3800.5
27.5°	3039.7
30°	2456.4
32.5°	1893.3
35°	1164.3
37.5°	498.1
40°	176.6
42.5°	162.7
45°	159.6
47.5°	154.2
50°	148.0
52.5°	141.0
55°	134.0
57.5°	127.0
60°	120.1
62.5°	112.3
65°	103.8
67.5°	95.3
70°	86.0
72.5°	75.9
75°	65.8
77.5°	54.2
80°	42.6
82.5°	30.2
85°	17.8
87.5°	6.2
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)