

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: P766997

Luminaire Tested: LD6D45BD010-EU6DR7040509024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P766997
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-EU6DR7040509024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4241.5 lumens
Efficiency: N/A
Efficacy: 109.6 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

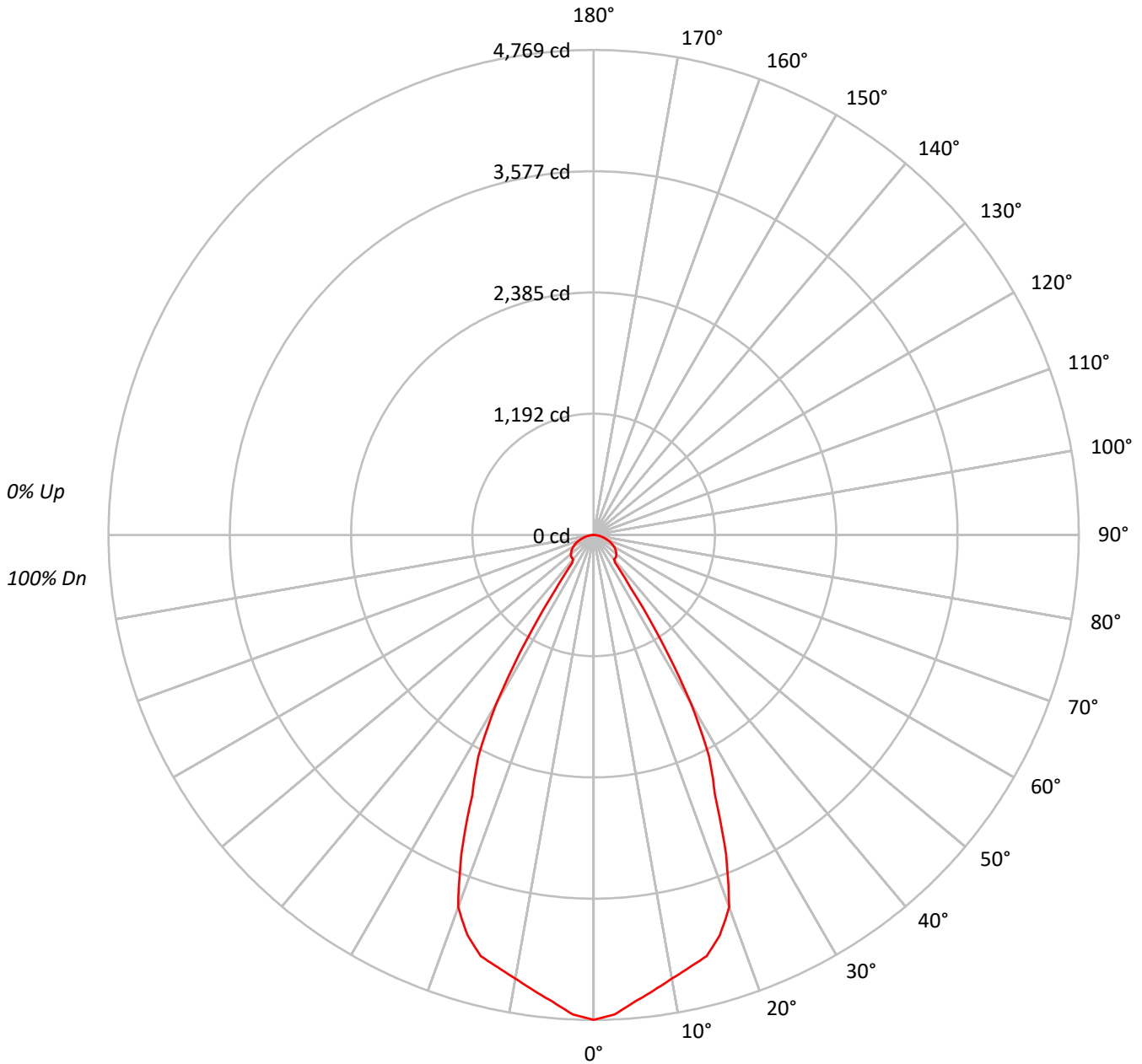
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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°	521032
5°	505550
10°	491459
15°	485003
20°	452894
25°	340233
30°	240518
35°	85192
40°	44800
45°	47715
50°	49413
55°	50347
60°	50653
65°	49587
70°	46800
75°	43355
80°	38508
85°	31215

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 50675 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.8	10.3
10°-20°	1192.5	28.1
20°-30°	1313.4	31.0
30°-40°	501.8	11.8
40°-50°	236.9	5.6
50°-60°	235.6	5.6
60°-70°	188.6	4.4
70°-80°	108.4	2.6
80°-90°	29.5	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°	2940.7	69.3
0°-40°	3442.5	81.2
0°-60°	3915.0	92.3
0°-90°	4241.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4241.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4769	
5°	4609	435
15°	4288	1193
25°	2822	1313
35°	639	502
45°	309	237
55°	264	236
65°	192	189
75°	103	108
85°	25	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4768.7
2.5°	4718.8
5°	4609.4
7.5°	4518.0
10°	4429.7
12.5°	4354.9
15°	4287.7
17.5°	4125.4
20°	3895.1
22.5°	3398.3
25°	2822.2
27.5°	2456.8
30°	1906.4
32.5°	1231.4
35°	638.7
37.5°	345.0
40°	314.1
42.5°	311.8
45°	308.8
47.5°	302.0
50°	290.7
52.5°	277.8
55°	264.3
57.5°	249.2
60°	231.8
62.5°	212.2
65°	191.8
67.5°	169.1
70°	146.5
72.5°	123.8
75°	102.7
77.5°	80.8
80°	61.2
82.5°	43.0
85°	24.9
87.5°	9.8
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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