

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: P766567

Luminaire Tested: LD6D45BD010-EU6DR4040509035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P766567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D45BD010-EU6DR4040509035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4610.3 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

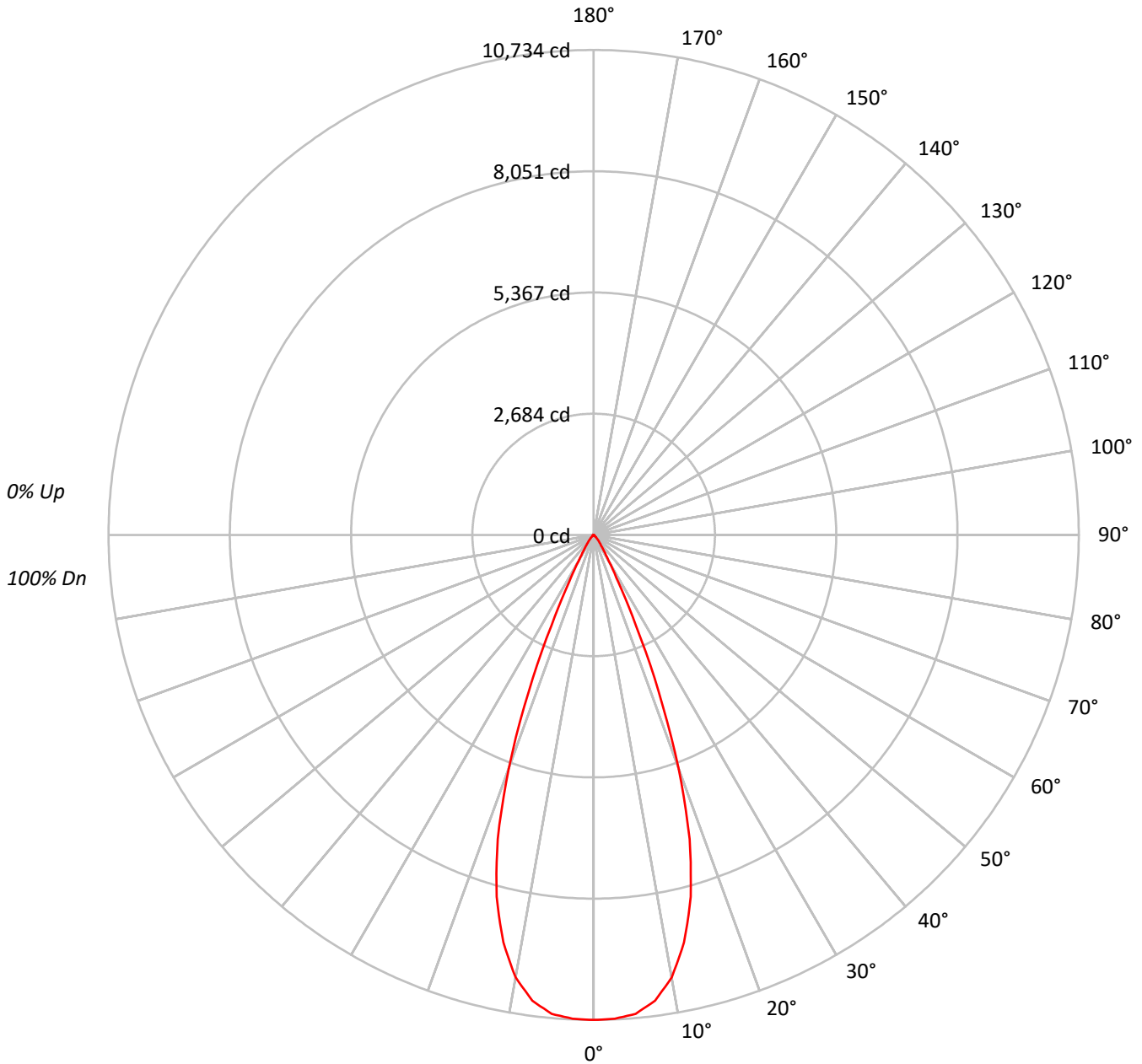
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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									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	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	100	99	98	97	96	95	93	92	91	89	88	87	84	82	81	77	74	72	69	68					
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	95	93	92	91	89	88	87	84	82	81	77	74	72	69	68											
	2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	91	89	88	87	84	82	81	77	74	72	69	68														
	3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	87	84	82	81	77	74	72	69	68																	
	4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	82	81	77	74	72	69	68																			
	5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	77	74	72	69	68																					
	6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	74	72	69	68																						
	7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	72	69	68																							
	8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	69	68																								
	9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69	68																									
	10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	69	68																									

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1172794
5°	1167096
10°	1103161
15°	937826
20°	639198
25°	266706
30°	83861
35°	38974
40°	21551
45°	9889
50°	4793
55°	2629
60°	1377
65°	491
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	993.6	21.6
10°-20°	2226.0	48.3
20°-30°	1114.3	24.2
30°-40°	204.2	4.4
40°-50°	56.4	1.2
50°-60°	13.3	0.3
60°-70°	2.6	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	4333.8	94.0
0°-40°	4538.1	98.4
0°-60°	4607.7	99.9
0°-90°	4610.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4610.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10734	
5°	10641	994
15°	8291	2226
25°	2212	1114
35°	292	204
45°	64	56
55°	14	13
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10733.9
2.5°	10718.3
5°	10641.1
7.5°	10395.3
10°	9943.2
12.5°	9238.4
15°	8290.9
17.5°	7058.8
20°	5497.4
22.5°	3747.9
25°	2212.3
27.5°	1169.5
30°	664.7
32.5°	429.5
35°	292.2
37.5°	208.8
40°	151.1
42.5°	103.5
45°	64.0
47.5°	40.8
50°	28.2
52.5°	20.1
55°	13.8
57.5°	8.8
60°	6.3
62.5°	3.8
65°	1.9
67.5°	1.3
70°	0.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)