

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: P787479

Luminaire Tested: LER6D02D010-EC6DR700210IC9035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P787479
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: LER6D02D010-EC6DR700210IC9035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 392.2 lumens
Efficiency: N/A
Efficacy: 76.9 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

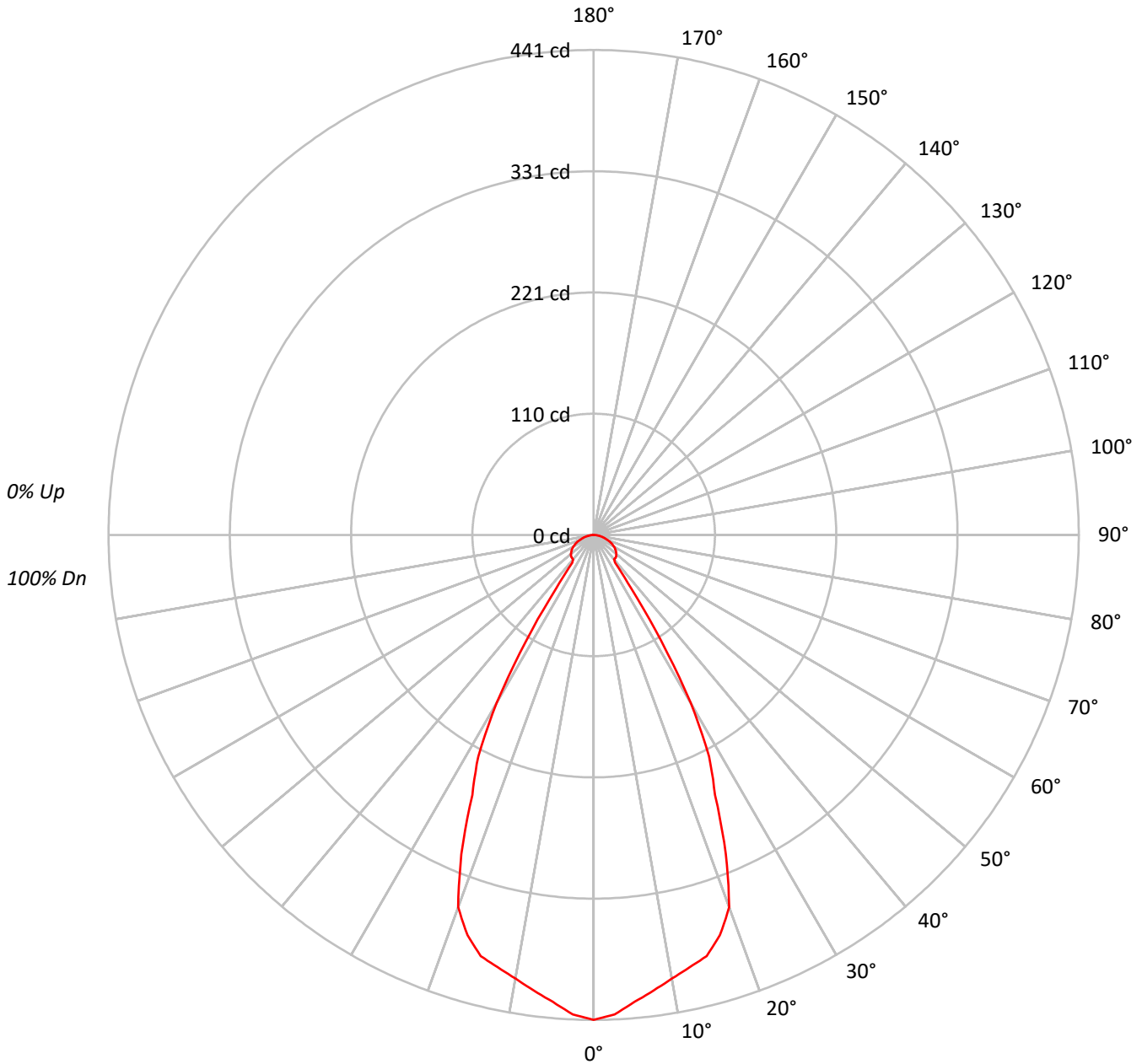
Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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	88	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°	48184
5°	46745
10°	45444
15°	44850
20°	41881
25°	31465
30°	22243
35°	7883
40°	4136
45°	4419
50°	4572
55°	4648
60°	4676
65°	4576
70°	4313
75°	4010
80°	3586
85°	2883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 4677 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	10.3
10°-20°	110.3	28.1
20°-30°	121.5	31.0
30°-40°	46.4	11.8
40°-50°	21.9	5.6
50°-60°	21.8	5.5
60°-70°	17.4	4.4
70°-80°	10.0	2.6
80°-90°	2.7	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°	271.9	69.3
0°-40°	318.3	81.2
0°-60°	362.0	92.3
0°-90°	392.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	392.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	441	
5°	426	40
15°	396	110
25°	261	121
35°	59	46
45°	29	22
55°	24	22
65°	18	17
75°	10	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	441.0
2.5°	436.4
5°	426.2
7.5°	417.8
10°	409.6
12.5°	402.7
15°	396.5
17.5°	381.5
20°	360.2
22.5°	314.2
25°	261.0
27.5°	227.2
30°	176.3
32.5°	113.9
35°	59.1
37.5°	31.9
40°	29.0
42.5°	28.8
45°	28.6
47.5°	27.9
50°	26.9
52.5°	25.7
55°	24.4
57.5°	23.0
60°	21.4
62.5°	19.6
65°	17.7
67.5°	15.6
70°	13.5
72.5°	11.4
75°	9.5
77.5°	7.5
80°	5.7
82.5°	4.0
85°	2.3
87.5°	0.9
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)