

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: P770910

Luminaire Tested: LD6D70BD010-EU6DR7070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770910
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: LD6D70BD010-EU6DR7070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7908.7 lumens
Efficiency: N/A
Efficacy: 118.7 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

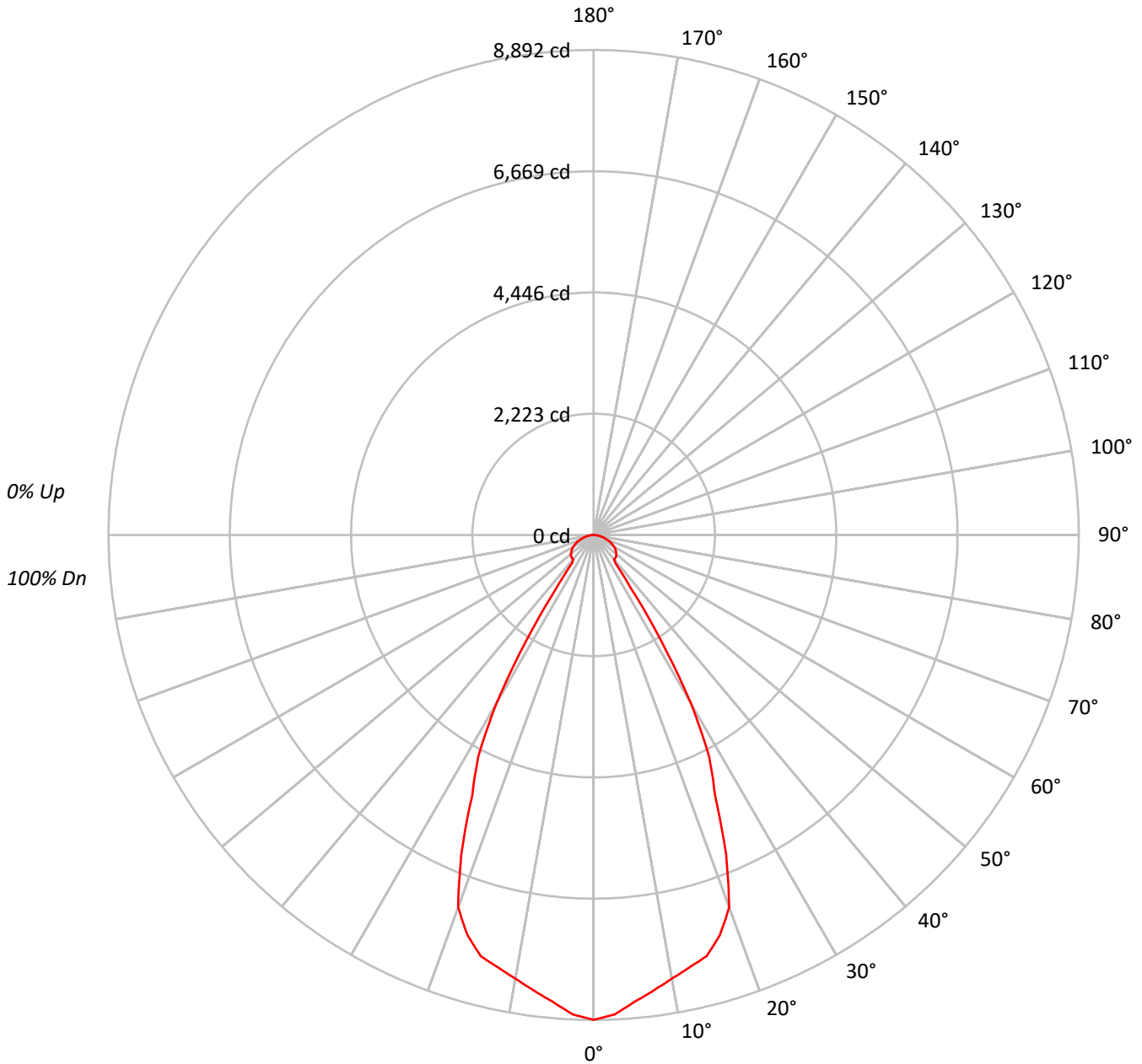
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	971503
5°	942640
10°	916361
15°	904344
20°	844467
25°	634401
30°	448473
35°	158859
40°	83524
45°	88971
50°	92129
55°	93855
60°	94445
65°	92451
70°	87244
75°	80842
80°	71730
85°	58294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 94477 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	810.6	10.3
10°-20°	2223.6	28.1
20°-30°	2449.0	31.0
30°-40°	935.7	11.8
40°-50°	441.8	5.6
50°-60°	439.2	5.6
60°-70°	351.7	4.4
70°-80°	202.1	2.6
80°-90°	54.9	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°	5483.2	69.3
0°-40°	6418.9	81.2
0°-60°	7300.0	92.3
0°-90°	7908.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7908.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8892	
5°	8595	811
15°	7995	2224
25°	5262	2449
35°	1191	936
45°	576	442
55°	493	439
65°	358	352
75°	192	202
85°	46	55
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8891.6
2.5°	8798.7
5°	8594.6
7.5°	8424.2
10°	8259.5
12.5°	8120.2
15°	7994.9
17.5°	7692.2
20°	7262.8
22.5°	6336.5
25°	5262.3
27.5°	4581.0
30°	3554.7
32.5°	2296.1
35°	1191.0
37.5°	643.4
40°	585.6
42.5°	581.4
45°	575.8
47.5°	563.1
50°	542.0
52.5°	518.1
55°	492.7
57.5°	464.6
60°	432.2
62.5°	395.6
65°	357.6
67.5°	315.3
70°	273.1
72.5°	230.9
75°	191.5
77.5°	150.6
80°	114.0
82.5°	80.2
85°	46.5
87.5°	18.3
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)