

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: P770157

Luminaire Tested: LD6D65D010-EU6DR7055659035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770157
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: LD6D65D010-EU6DR7055659035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8481.3 lumens
Efficiency: N/A
Efficacy: 116.5 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

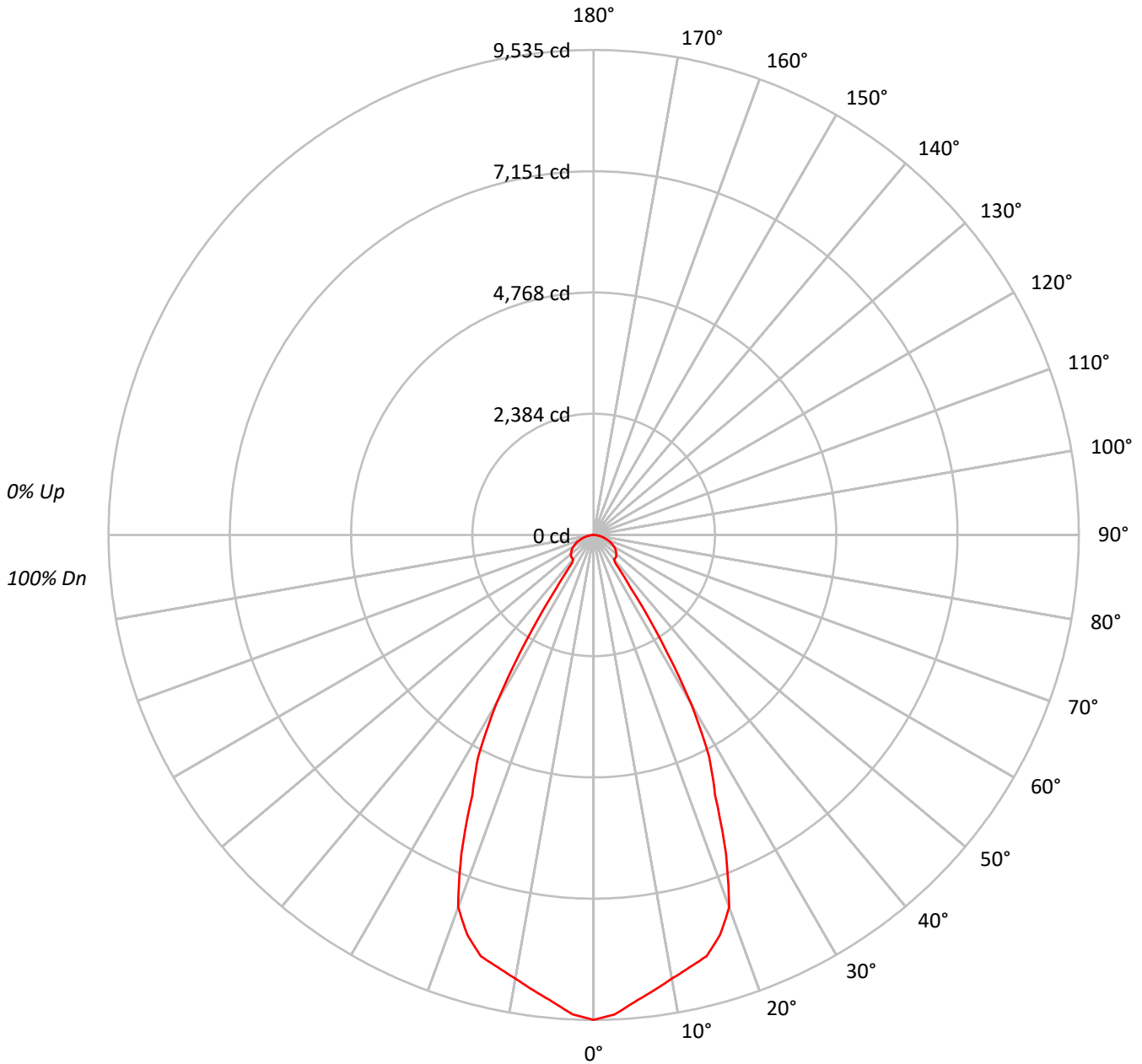
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1041845
5°	1010892
10°	982718
15°	969815
20°	905614
25°	680345
30°	480948
35°	170356
40°	89572
45°	95415
50°	98792
55°	100655
60°	101285
65°	99147
70°	93569
75°	86668
80°	76952
85°	62431

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 101310 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	869.3	10.3
10°-20°	2384.6	28.1
20°-30°	2626.3	31.0
30°-40°	1003.4	11.8
40°-50°	473.8	5.6
50°-60°	471.0	5.6
60°-70°	377.1	4.4
70°-80°	216.7	2.6
80°-90°	58.9	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°	5880.2	69.3
0°-40°	6883.7	81.2
0°-60°	7828.5	92.3
0°-90°	8481.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8481.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9535	
5°	9217	869
15°	8574	2385
25°	5643	2626
35°	1277	1003
45°	618	474
55°	528	471
65°	384	377
75°	205	217
85°	50	59
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9535.4
2.5°	9435.8
5°	9216.9
7.5°	9034.2
10°	8857.6
12.5°	8708.1
15°	8573.7
17.5°	8249.1
20°	7788.7
22.5°	6795.3
25°	5643.4
27.5°	4912.6
30°	3812.1
32.5°	2462.4
35°	1277.2
37.5°	689.9
40°	628.0
42.5°	623.5
45°	617.5
47.5°	603.9
50°	581.2
52.5°	555.6
55°	528.4
57.5°	498.2
60°	463.5
62.5°	424.2
65°	383.5
67.5°	338.2
70°	292.9
72.5°	247.6
75°	205.3
77.5°	161.5
80°	122.3
82.5°	86.1
85°	49.8
87.5°	19.6
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)