

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: P773186

Luminaire Tested: LD6D85BD010-EU6DR6570959030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9466.8 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

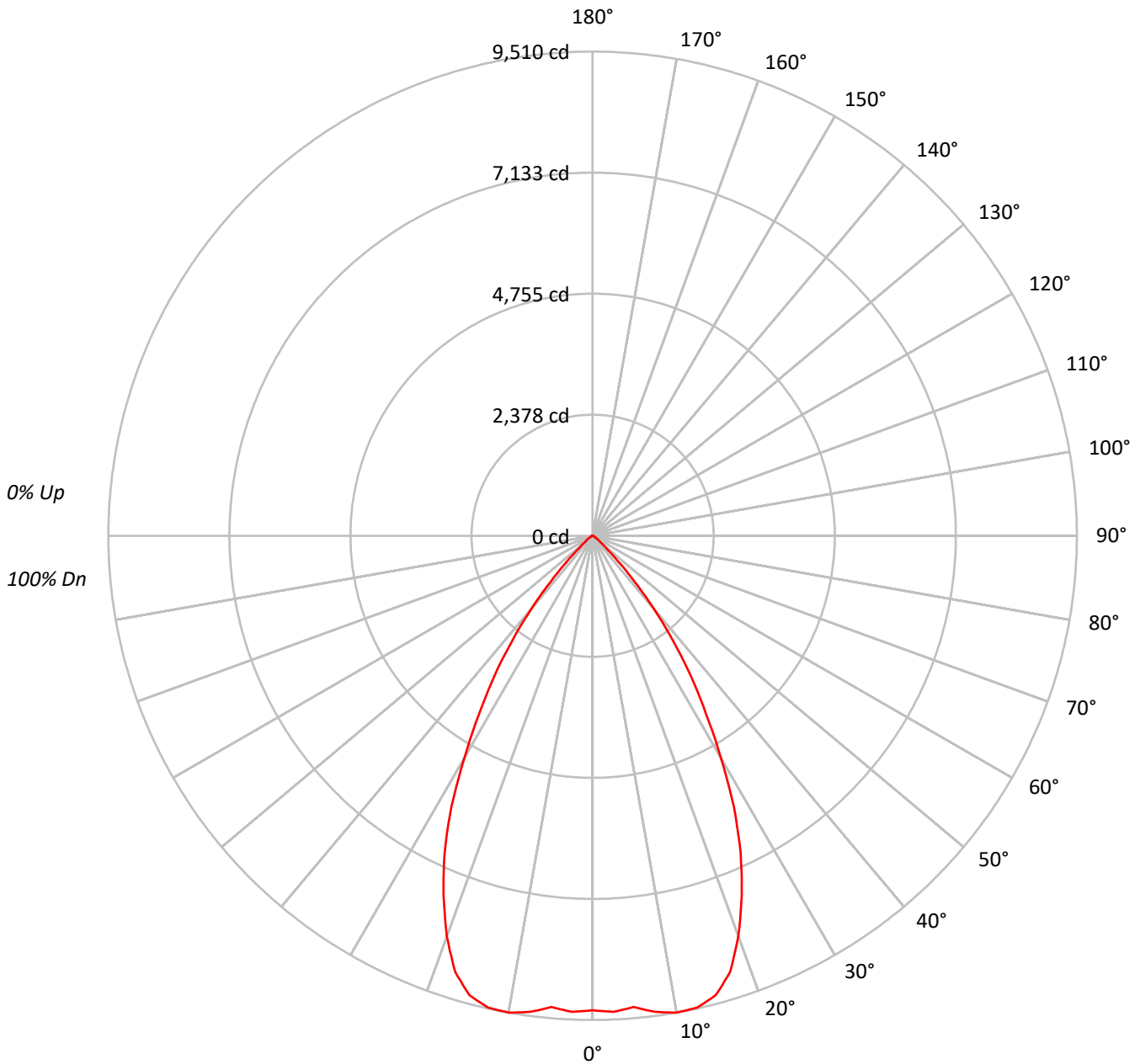
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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				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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1018398
5°	1019239
10°	1055121
15°	1056868
20°	973029
25°	829063
30°	634678
35°	448393
40°	264678
45°	107452
50°	38942
55°	21697
60°	12456
65°	6851
70°	7188
75°	5572
80°	5852
85°	5015

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 107452 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	897.5	9.5
10°-20°	2588.9	27.3
20°-30°	3106.2	32.8
30°-40°	2087.5	22.1
40°-50°	624.9	6.6
50°-60°	110.3	1.2
60°-70°	31.4	0.3
70°-80°	15.3	0.2
80°-90°	4.9	0.1
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°	6592.7	69.6
0°-40°	8680.1	91.7
0°-60°	9415.3	99.5
0°-90°	9466.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9466.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9321	
5°	9293	898
15°	9343	2589
25°	6877	3106
35°	3362	2087
45°	695	625
55°	114	110
65°	26	31
75°	13	15
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9320.8
2.5°	9360.6
5°	9293.0
7.5°	9433.4
10°	9510.2
12.5°	9491.7
15°	9343.3
17.5°	8980.4
20°	8368.5
22.5°	7647.9
25°	6877.0
27.5°	6006.8
30°	5030.6
32.5°	4145.8
35°	3361.7
37.5°	2586.8
40°	1855.7
42.5°	1212.0
45°	695.4
47.5°	368.2
50°	229.1
52.5°	158.9
55°	113.9
57.5°	82.1
60°	57.0
62.5°	37.1
65°	26.5
67.5°	23.8
70°	22.5
72.5°	17.2
75°	13.2
77.5°	11.9
80°	9.3
82.5°	6.6
85°	4.0
87.5°	2.6
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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