

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: P773206

Luminaire Tested: LD6D85BD010-EU6DR6570959035-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773206  
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-EU6DR6570959035-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

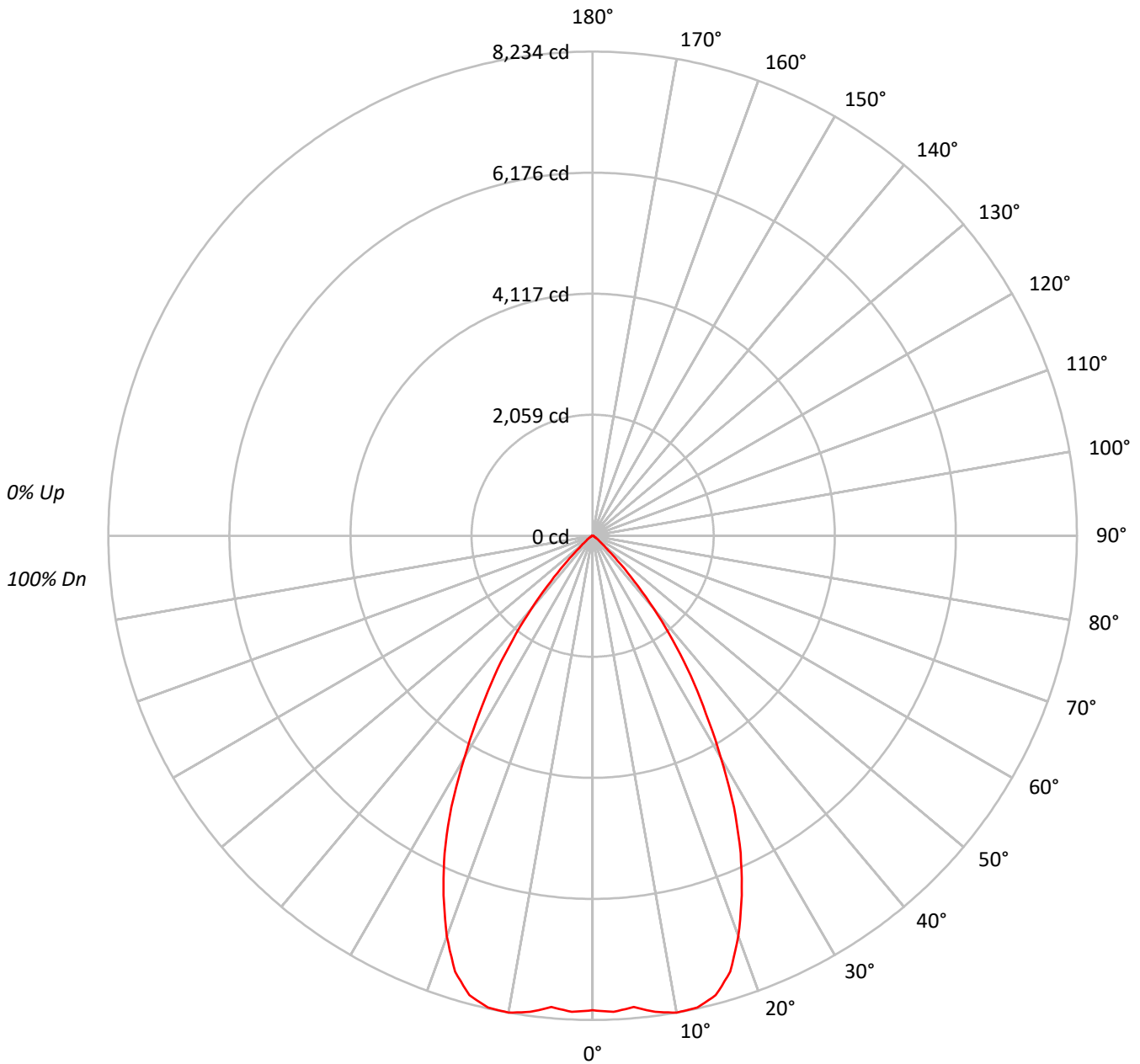
Lumens per Lamp: N/A  
Luminaire Lumens: 8196.6 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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



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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°	881756
5°	882481
10°	913554
15°	915067
20°	842467
25°	717826
30°	549518
35°	388224
40°	229163
45°	93035
50°	33724
55°	18782
60°	10773
65°	5920
70°	6229
75°	4855
80°	5034
85°	4262

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 93035 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	777.1	9.5
10°-20°	2241.5	27.3
20°-30°	2689.4	32.8
30°-40°	1807.4	22.1
40°-50°	541.0	6.6
50°-60°	95.5	1.2
60°-70°	27.1	0.3
70°-80°	13.3	0.2
80°-90°	4.2	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°	5708.1	69.6
0°-40°	7515.4	91.7
0°-60°	8151.9	99.5
0°-90°	8196.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8196.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8070	
5°	8046	777
15°	8090	2242
25°	5954	2689
35°	2911	1807
45°	602	541
55°	99	95
65°	23	27
75°	12	13
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8070.2
2.5°	8104.6
5°	8046.1
7.5°	8167.7
10°	8234.2
12.5°	8218.1
15°	8089.7
17.5°	7775.4
20°	7245.6
22.5°	6621.7
25°	5954.3
27.5°	5200.8
30°	4355.6
32.5°	3589.5
35°	2910.6
37.5°	2239.7
40°	1606.7
42.5°	1049.3
45°	602.1
47.5°	318.8
50°	198.4
52.5°	137.6
55°	98.6
57.5°	71.1
60°	49.3
62.5°	32.1
65°	22.9
67.5°	20.6
70°	19.5
72.5°	14.9
75°	11.5
77.5°	10.3
80°	8.0
82.5°	5.7
85°	3.4
87.5°	2.3
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)