

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: P773140

Luminaire Tested: LD6D85BD010-EU6DR6070959040-6LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773140  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D85BD010-EU6DR6070959040-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

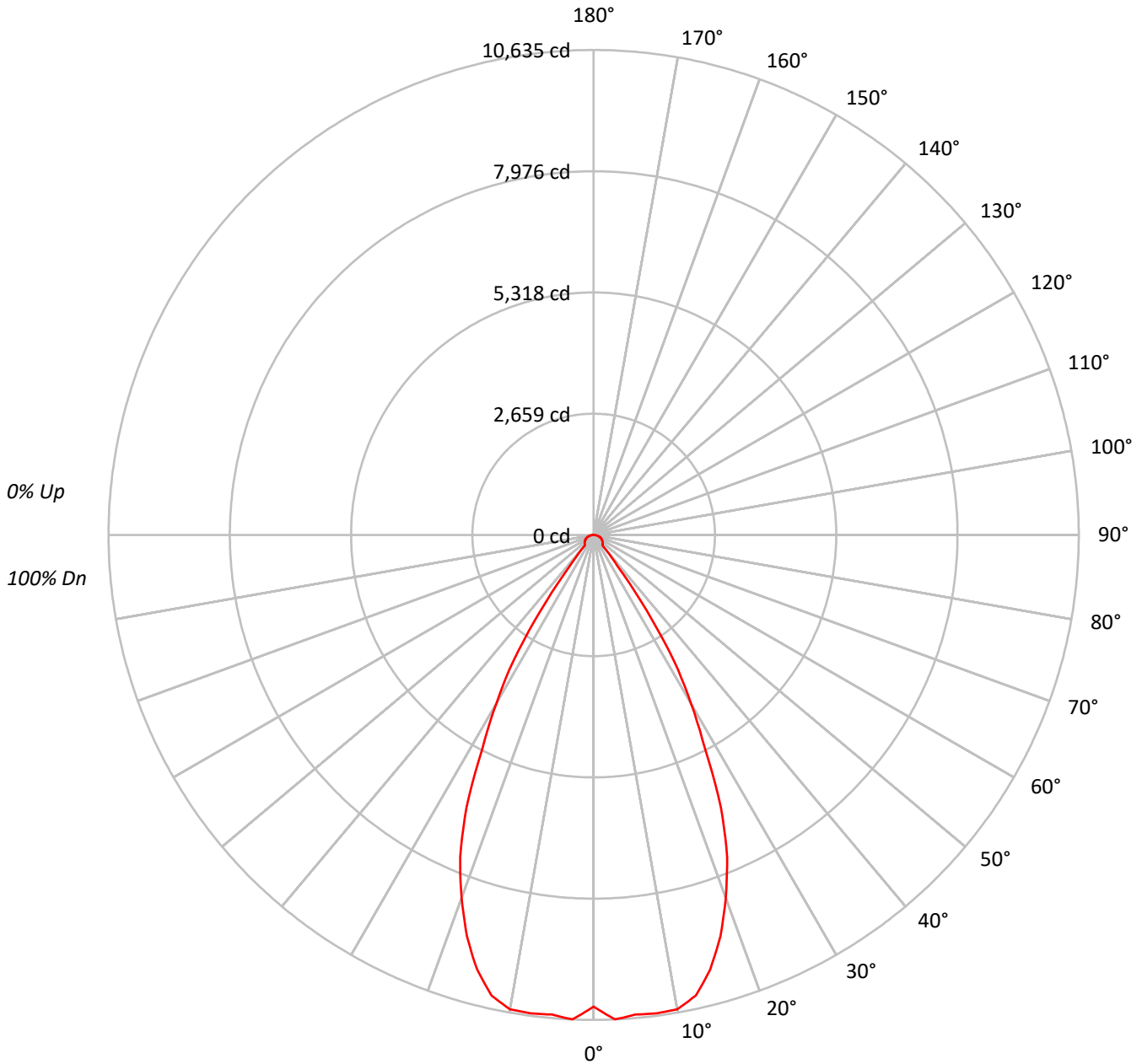
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8709.7 lumens  
Efficiency: N/A  
Efficacy: 99.3 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
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									
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1130182
5°	1157971
10°	1171959
15°	1116446
20°	984366
25°	796187
30°	538554
35°	269873
40°	43773
45°	42848
50°	43702
55°	44365
60°	45605
65°	46639
70°	47727
75°	48294
80°	46561
85°	38862

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 48294 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1009.1	11.6
10°-20°	2730.1	31.3
20°-30°	2937.4	33.7
30°-40°	1276.8	14.7
40°-50°	214.4	2.5
50°-60°	208.5	2.4
60°-70°	178.4	2.0
70°-80°	119.3	1.4
80°-90°	35.7	0.4
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°	6676.6	76.7
0°-40°	7953.4	91.3
0°-60°	8376.4	96.2
0°-90°	8709.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8709.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10344	
5°	10558	###
15°	9870	2730
25°	6604	2937
35°	2023	1277
45°	277	214
55°	233	209
65°	180	178
75°	114	119
85°	31	36
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10343.9
2.5°	10634.7
5°	10557.9
7.5°	10582.2
10°	10563.3
12.5°	10345.2
15°	9870.0
17.5°	9232.0
20°	8466.0
22.5°	7646.2
25°	6604.3
27.5°	5282.3
30°	4268.7
32.5°	3290.0
35°	2023.3
37.5°	865.6
40°	306.9
42.5°	282.7
45°	277.3
47.5°	267.9
50°	257.1
52.5°	245.0
55°	232.9
57.5°	220.8
60°	208.7
62.5°	195.2
65°	180.4
67.5°	165.6
70°	149.4
72.5°	131.9
75°	114.4
77.5°	94.2
80°	74.0
82.5°	52.5
85°	31.0
87.5°	10.8
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)