

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: P773154

Luminaire Tested: LD6D85BD010-EU6DR6070959050-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773154  
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-EU6DR6070959050-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

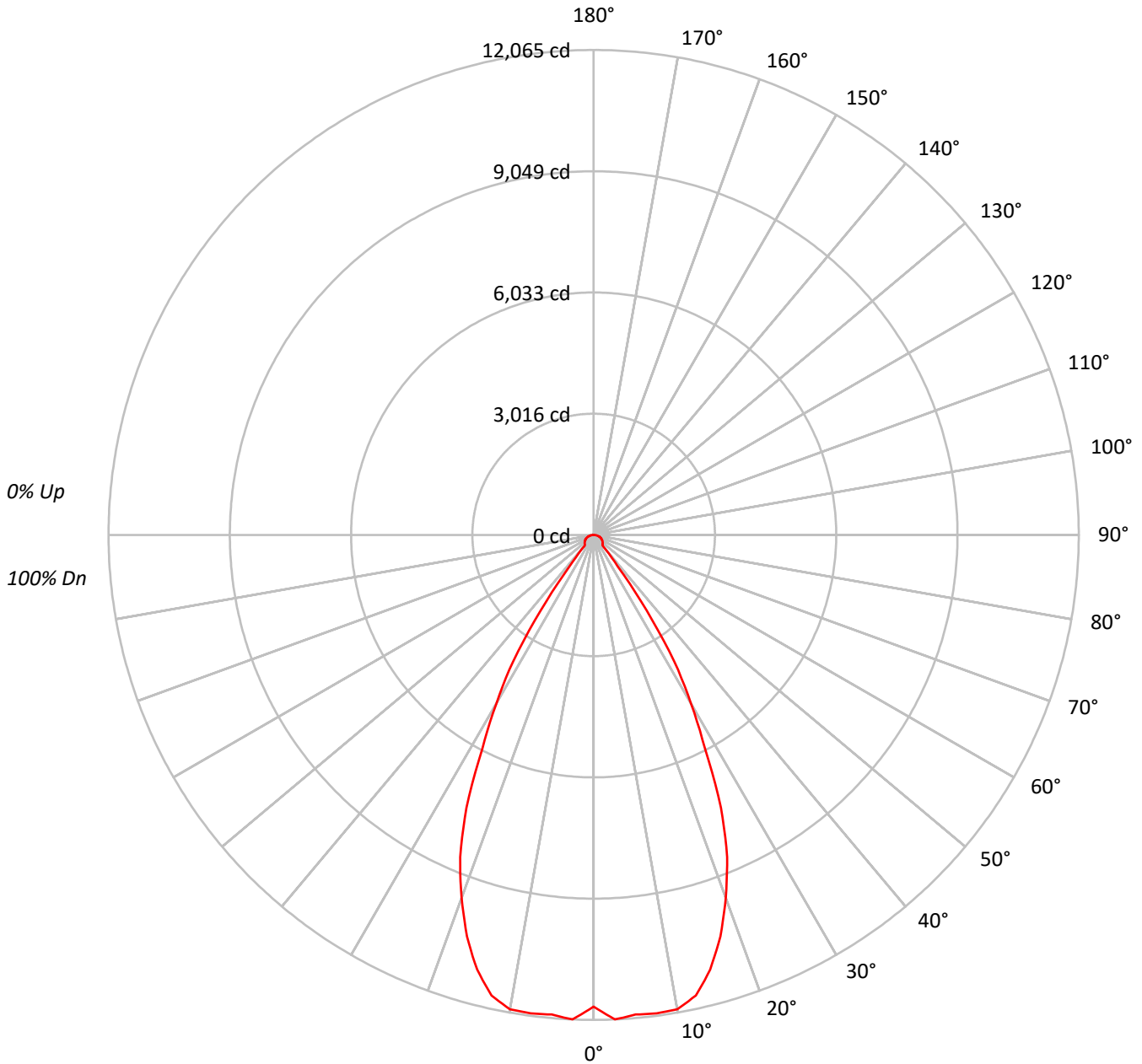
Lumens per Lamp: N/A  
Luminaire Lumens: 9881.3 lumens  
Efficiency: N/A  
Efficacy: 112.7 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

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

	0°
0°	1282208
5°	1313735
10°	1329602
15°	1266628
20°	1116778
25°	903277
30°	610997
35°	306167
40°	49664
45°	48611
50°	49583
55°	50328
60°	51724
65°	52896
70°	54148
75°	54795
80°	52853
85°	44002

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 54795 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1144.8	11.6
10°-20°	3097.3	31.3
20°-30°	3332.5	33.7
30°-40°	1448.6	14.7
40°-50°	243.3	2.5
50°-60°	236.6	2.4
60°-70°	202.3	2.0
70°-80°	135.4	1.4
80°-90°	40.5	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°	7574.6	76.7
0°-40°	9023.2	91.3
0°-60°	9503.1	96.2
0°-90°	9881.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9881.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11735	
5°	11978	###
15°	11198	3097
25°	7493	3332
35°	2295	1449
45°	315	243
55°	264	237
65°	205	202
75°	130	135
85°	35	40
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	11735.3
2.5°	12065.2
5°	11978.1
7.5°	12005.6
10°	11984.2
12.5°	11736.8
15°	11197.7
17.5°	10473.8
20°	9604.8
22.5°	8674.7
25°	7492.6
27.5°	5992.9
30°	4842.9
32.5°	3732.6
35°	2295.4
37.5°	982.0
40°	348.2
42.5°	320.7
45°	314.6
47.5°	303.9
50°	291.7
52.5°	278.0
55°	264.2
57.5°	250.5
60°	236.7
62.5°	221.4
65°	204.6
67.5°	187.9
70°	169.5
72.5°	149.7
75°	129.8
77.5°	106.9
80°	84.0
82.5°	59.6
85°	35.1
87.5°	12.2
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)