

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: P773309

Luminaire Tested: LD6D85BD010-EU6DR7070959050-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773309
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: LD6D85BD010-EU6DR7070959050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

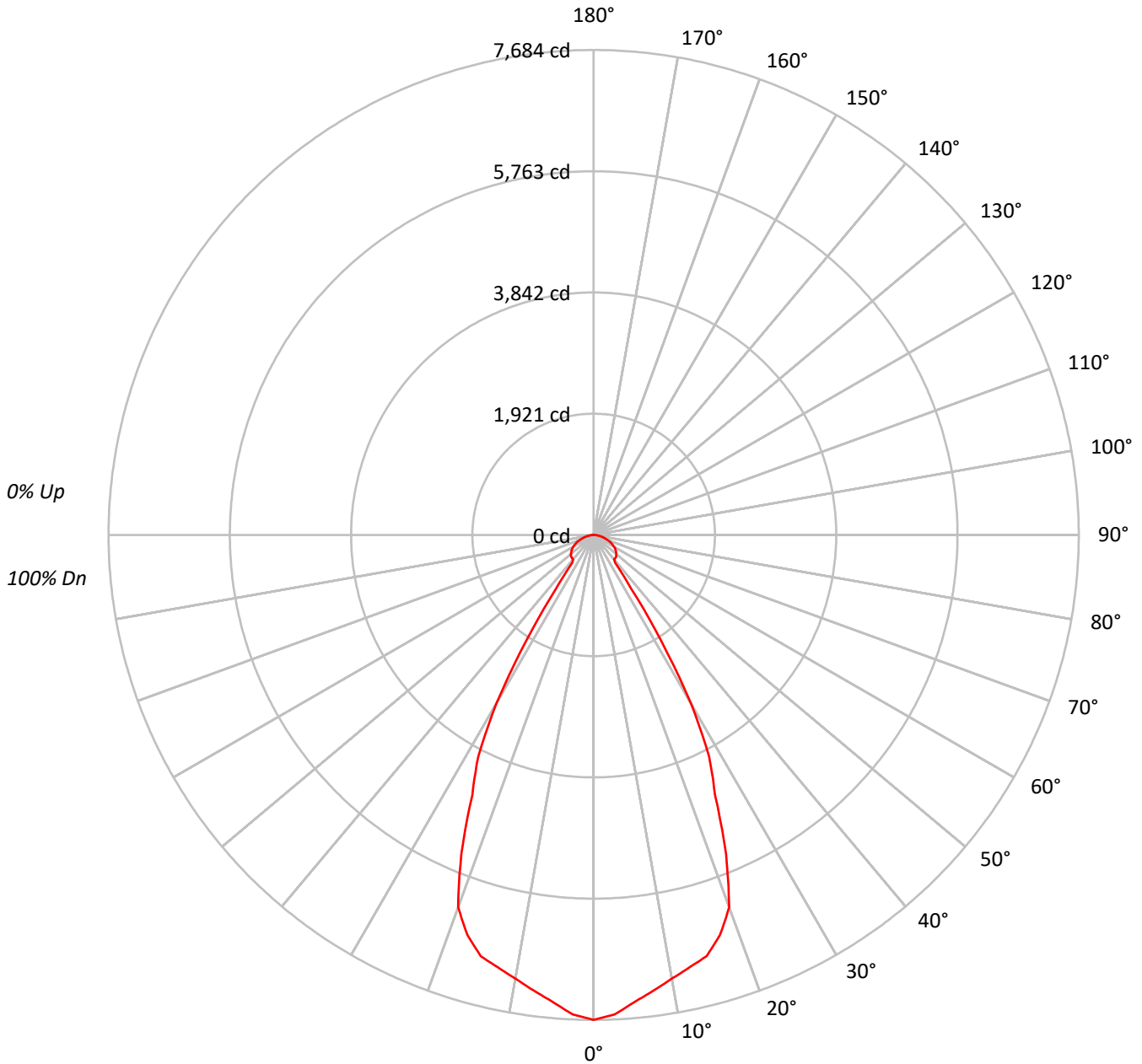
Lumens per Lamp: N/A
Luminaire Lumens: 6834.7 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	839581
5°	814634
10°	791935
15°	781535
20°	729798
25°	548264
30°	387574
35°	137291
40°	72185
45°	76888
50°	79618
55°	81111
60°	81618
65°	79887
70°	75392
75°	69866
80°	61977
85°	50270

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 81646 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	700.6	10.3
10°-20°	1921.6	28.1
20°-30°	2116.4	31.0
30°-40°	808.6	11.8
40°-50°	381.8	5.6
50°-60°	379.6	5.6
60°-70°	303.9	4.4
70°-80°	174.7	2.6
80°-90°	47.4	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°	4738.6	69.3
0°-40°	5547.3	81.2
0°-60°	6308.7	92.3
0°-90°	6834.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6834.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7684	
5°	7428	701
15°	6909	1922
25°	4548	2116
35°	1029	809
45°	498	382
55°	426	380
65°	309	304
75°	166	175
85°	40	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7684.2
2.5°	7603.9
5°	7427.5
7.5°	7280.3
10°	7138.0
12.5°	7017.5
15°	6909.2
17.5°	6647.7
20°	6276.6
22.5°	5476.0
25°	4547.8
27.5°	3958.9
30°	3072.0
32.5°	1984.3
35°	1029.3
37.5°	556.0
40°	506.1
42.5°	502.5
45°	497.6
47.5°	486.7
50°	468.4
52.5°	447.7
55°	425.8
57.5°	401.5
60°	373.5
62.5°	341.9
65°	309.0
67.5°	272.5
70°	236.0
72.5°	199.5
75°	165.5
77.5°	130.2
80°	98.5
82.5°	69.3
85°	40.1
87.5°	15.8
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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