

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: P770761

Luminaire Tested: LD6D70BD010-EU6DR6070959027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770761
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: LD6D70BD010-EU6DR6070959027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

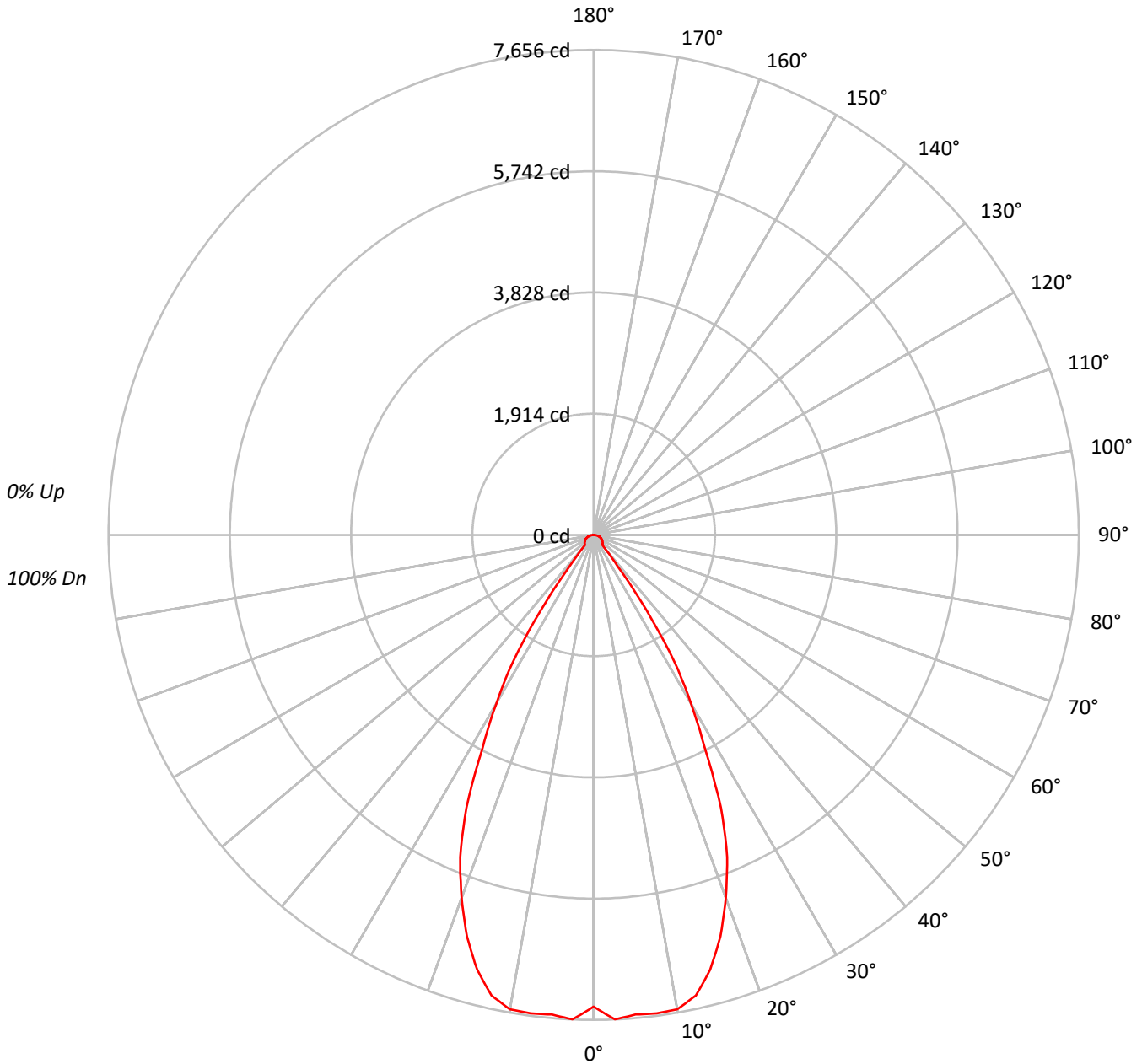
Lumens per Lamp: N/A
Luminaire Lumens: 6269.8 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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°	813577
5°	833587
10°	843647
15°	803694
20°	708613
25°	573147
30°	387688
35°	194272
40°	31507
45°	30842
50°	31463
55°	31926
60°	32822
65°	33583
70°	34374
75°	34785
80°	33537
85°	27956

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 34785 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.4	11.6
10°-20°	1965.3	31.3
20°-30°	2114.5	33.7
30°-40°	919.1	14.7
40°-50°	154.4	2.5
50°-60°	150.1	2.4
60°-70°	128.4	2.0
70°-80°	85.9	1.4
80°-90°	25.7	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°	4806.2	76.7
0°-40°	5725.3	91.3
0°-60°	6029.8	96.2
0°-90°	6269.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6269.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7446	
5°	7600	726
15°	7105	1965
25°	4754	2115
35°	1456	919
45°	200	154
55°	168	150
65°	130	128
75°	82	86
85°	22	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7446.2
2.5°	7655.5
5°	7600.3
7.5°	7617.7
10°	7604.1
12.5°	7447.1
15°	7105.1
17.5°	6645.7
20°	6094.4
22.5°	5504.2
25°	4754.2
27.5°	3802.5
30°	3072.9
32.5°	2368.4
35°	1456.5
37.5°	623.1
40°	220.9
42.5°	203.5
45°	199.6
47.5°	192.8
50°	185.1
52.5°	176.4
55°	167.6
57.5°	158.9
60°	150.2
62.5°	140.5
65°	129.9
67.5°	119.2
70°	107.6
72.5°	95.0
75°	82.4
77.5°	67.8
80°	53.3
82.5°	37.8
85°	22.3
87.5°	7.8
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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