

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: P770813

Luminaire Tested: LD6D70BD010-EU6DR6070959050-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770813
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-EU6DR6070959050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

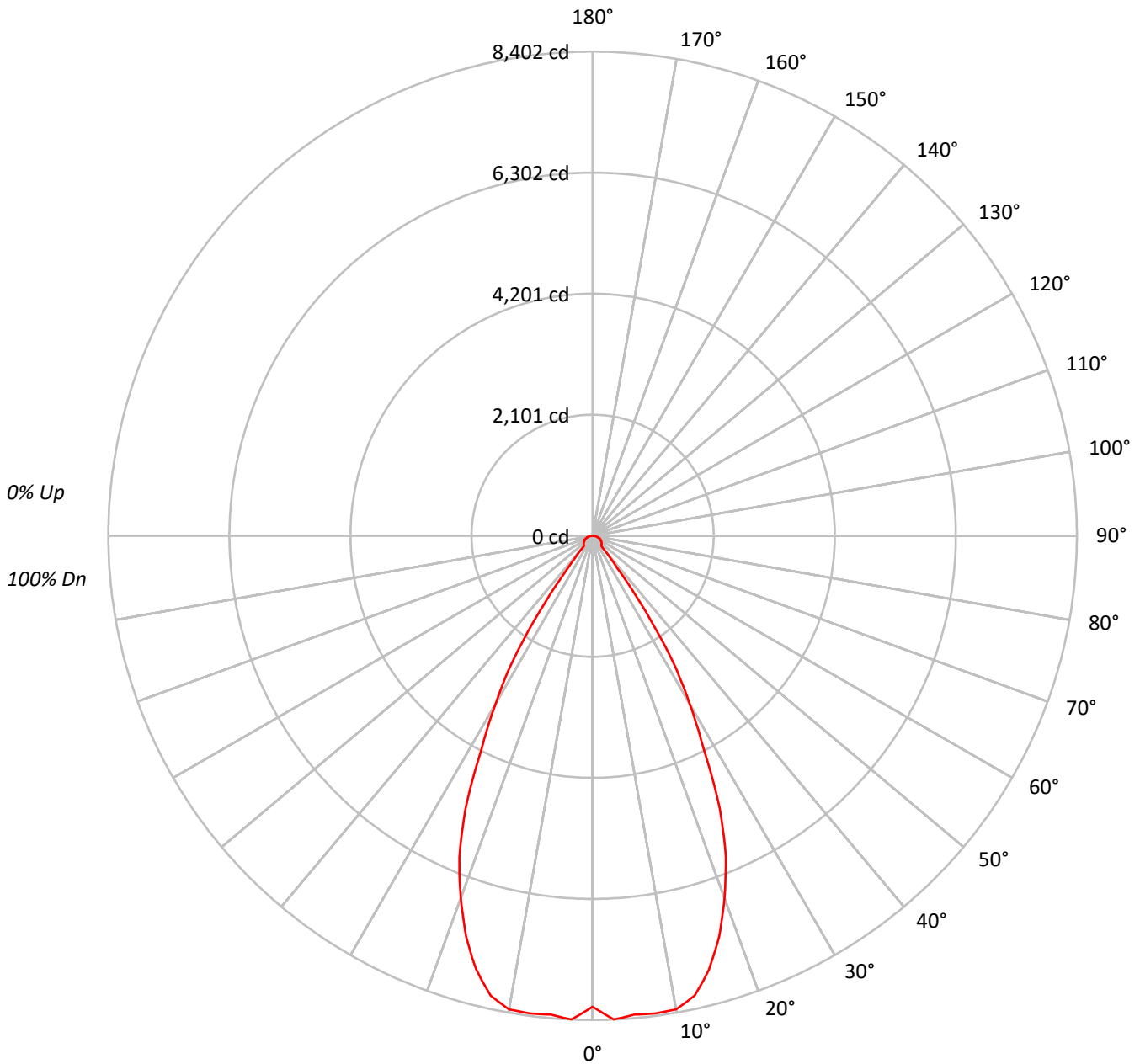
Lumens per Lamp: N/A
Luminaire Lumens: 6881.2 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	892923
5°	914880
10°	925924
15°	882071
20°	777714
25°	629037
30°	425486
35°	213212
40°	34588
45°	33855
50°	34523
55°	35050
60°	36034
65°	36841
70°	37728
75°	38162
80°	36809
85°	30714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 38162 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.2	11.6
10°-20°	2157.0	31.3
20°-30°	2320.7	33.7
30°-40°	1008.8	14.7
40°-50°	169.4	2.5
50°-60°	164.7	2.4
60°-70°	140.9	2.0
70°-80°	94.3	1.4
80°-90°	28.2	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°	5274.9	76.7
0°-40°	6283.7	91.3
0°-60°	6617.8	96.2
0°-90°	6881.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6881.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8172	
5°	8342	797
15°	7798	2157
25°	5218	2321
35°	1598	1009
45°	219	169
55°	184	165
65°	142	141
75°	90	94
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8172.4
2.5°	8402.1
5°	8341.5
7.5°	8360.6
10°	8345.7
12.5°	8173.4
15°	7798.0
17.5°	7293.9
20°	6688.7
22.5°	6041.0
25°	5217.8
27.5°	4173.4
30°	3372.5
32.5°	2599.3
35°	1598.5
37.5°	683.9
40°	242.5
42.5°	223.3
45°	219.1
47.5°	211.6
50°	203.1
52.5°	193.6
55°	184.0
57.5°	174.4
60°	164.9
62.5°	154.2
65°	142.5
67.5°	130.8
70°	118.1
72.5°	104.2
75°	90.4
77.5°	74.4
80°	58.5
82.5°	41.5
85°	24.5
87.5°	8.5
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)