

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: P773881

Luminaire Tested: LD6D90BD010-EU6DR6070959027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773881
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: LD6D90BD010-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

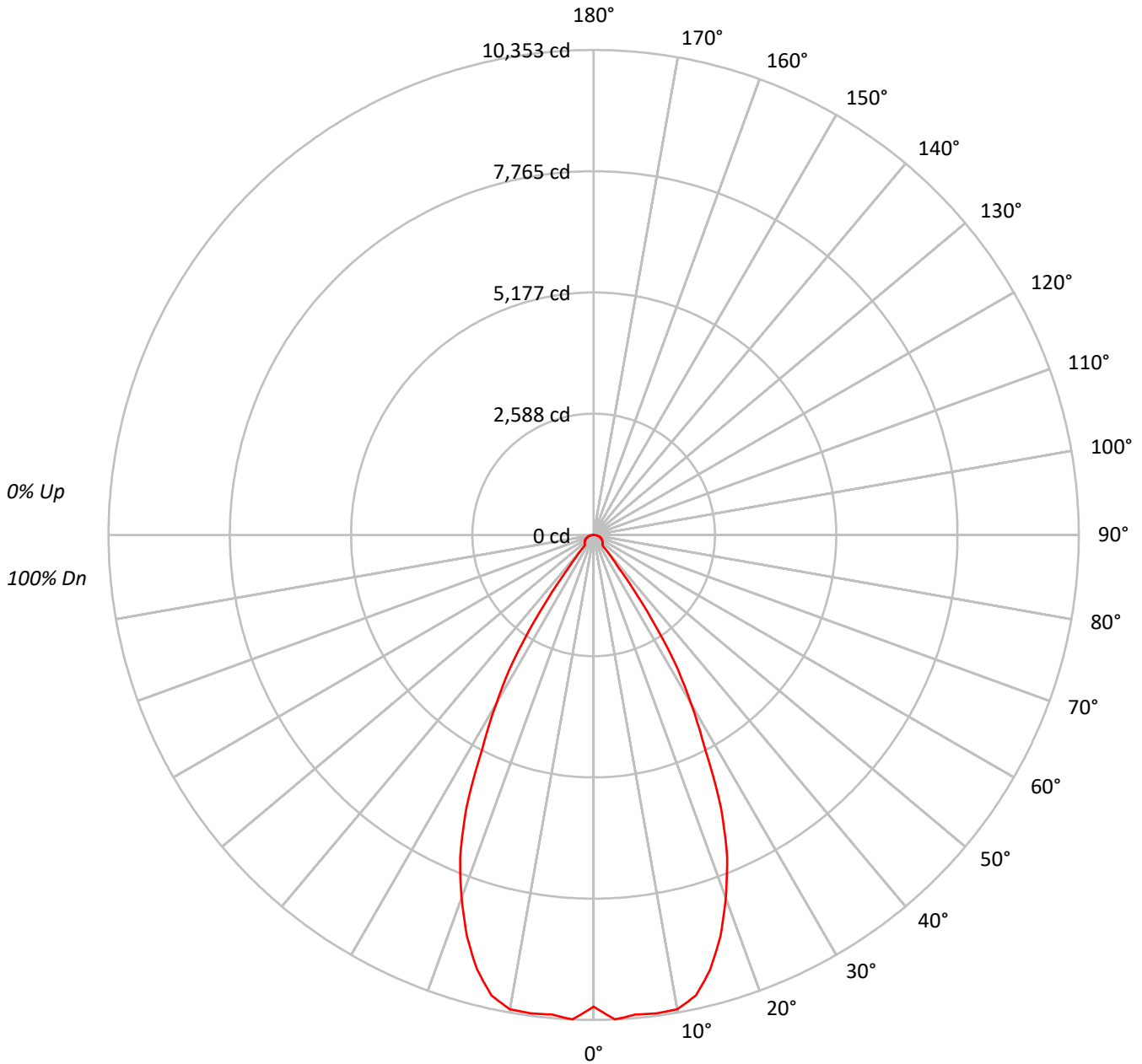
Lumens per Lamp: N/A
Luminaire Lumens: 8478.9 lumens
Efficiency: N/A
Efficacy: 85.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 98.9
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°	1100223
5°	1127283
10°	1140905
15°	1086866
20°	958274
25°	775078
30°	524272
35°	262724
40°	42618
45°	41720
50°	42546
55°	43184
60°	44382
65°	45398
70°	46481
75°	47028
80°	45366
85°	37734

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 47028 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	982.3	11.6
10°-20°	2657.8	31.3
20°-30°	2859.5	33.7
30°-40°	1243.0	14.7
40°-50°	208.8	2.5
50°-60°	203.0	2.4
60°-70°	173.6	2.0
70°-80°	116.2	1.4
80°-90°	34.7	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°	6499.6	76.7
0°-40°	7742.6	91.3
0°-60°	8154.3	96.2
0°-90°	8478.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8478.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10070	
5°	10278	982
15°	9608	2658
25°	6429	2860
35°	1970	1243
45°	270	209
55°	227	203
65°	176	174
75°	111	116
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10069.7
2.5°	10352.8
5°	10278.1
7.5°	10301.7
10°	10283.4
12.5°	10071.1
15°	9608.5
17.5°	8987.3
20°	8241.6
22.5°	7443.5
25°	6429.2
27.5°	5142.3
30°	4155.5
32.5°	3202.8
35°	1969.7
37.5°	842.6
40°	298.8
42.5°	275.2
45°	270.0
47.5°	260.8
50°	250.3
52.5°	238.5
55°	226.7
57.5°	214.9
60°	203.1
62.5°	190.0
65°	175.6
67.5°	161.2
70°	145.5
72.5°	128.4
75°	111.4
77.5°	91.7
80°	72.1
82.5°	51.1
85°	30.1
87.5°	10.5
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)