

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: P770514

Luminaire Tested: LD6D70BD010-EU6DR4570959024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR4570959024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

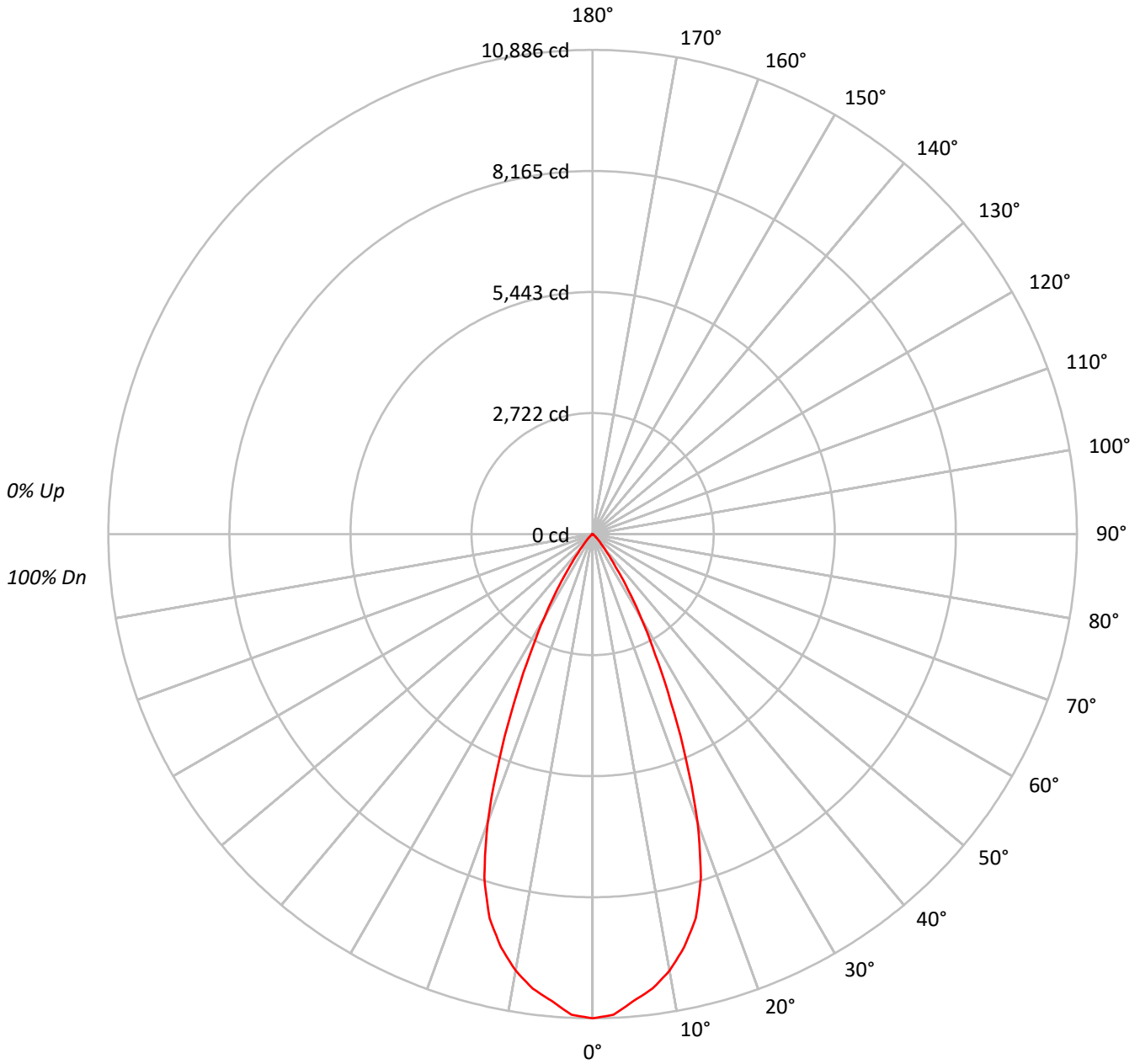
Lumens per Lamp: N/A
Luminaire Lumens: 6159.2 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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				
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95				
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90				
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85				
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81				
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77				
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73				
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69				
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66				
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63				
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1189456
5°	1155591
10°	1105591
15°	1011848
20°	802748
25°	501163
30°	276222
35°	124033
40°	48851
45°	23023
50°	10913
55°	5715
60°	2797
65°	672
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23023 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	990.0	16.1
10°-20°	2436.5	39.6
20°-30°	1929.4	31.3
30°-40°	642.5	10.4
40°-50°	127.5	2.1
50°-60°	29.0	0.5
60°-70°	4.2	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	5355.9	87.0
0°-40°	5998.4	97.4
0°-60°	6154.8	99.9
0°-90°	6159.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6159.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10886	
5°	10536	990
15°	8945	2436
25°	4157	1929
35°	930	643
45°	149	128
55°	30	29
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10886.4
2.5°	10815.3
5°	10536.2
7.5°	10305.9
10°	9965.1
12.5°	9511.3
15°	8945.3
17.5°	8094.2
20°	6904.0
22.5°	5486.0
25°	4157.1
27.5°	3044.0
30°	2189.4
32.5°	1489.0
35°	929.9
37.5°	551.4
40°	342.5
42.5°	225.2
45°	149.0
47.5°	95.9
50°	64.2
52.5°	42.8
55°	30.0
57.5°	19.7
60°	12.8
62.5°	6.9
65°	2.6
67.5°	0.9
70°	0.9
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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