

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: P772490

Luminaire Tested: LD6D80BD010-EU6DR7070959030-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772490
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: LD6D80BD010-EU6DR7070959030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

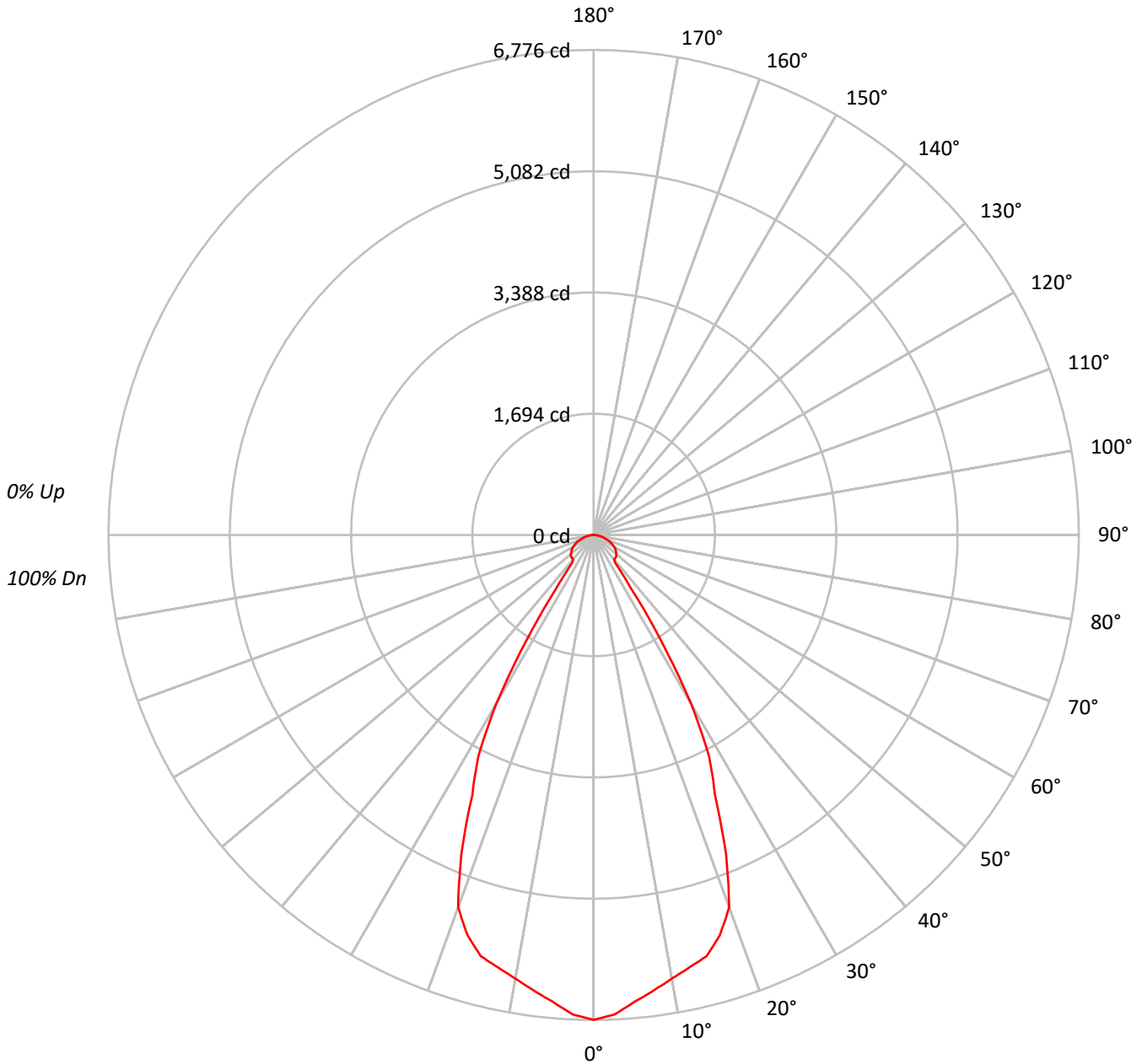
Lumens per Lamp: N/A
Luminaire Lumens: 6026.4 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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									
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																			
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°	740296
5°	718293
10°	698274
15°	689108
20°	643489
25°	483417
30°	341739
35°	121045
40°	63656
45°	67803
50°	70202
55°	71529
60°	71959
65°	70450
70°	66479
75°	61592
80°	54678
85°	44378

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 71986 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.7	10.3
10°-20°	1694.4	28.1
20°-30°	1866.1	31.0
30°-40°	713.0	11.8
40°-50°	336.7	5.6
50°-60°	334.7	5.6
60°-70°	268.0	4.4
70°-80°	154.0	2.6
80°-90°	41.8	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°	4178.2	69.3
0°-40°	4891.2	81.2
0°-60°	5562.6	92.3
0°-90°	6026.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6026.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6776	
5°	6549	618
15°	6092	1694
25°	4010	1866
35°	908	713
45°	439	337
55°	376	335
65°	272	268
75°	146	154
85°	35	42
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6775.5
2.5°	6704.7
5°	6549.1
7.5°	6419.3
10°	6293.8
12.5°	6187.6
15°	6092.1
17.5°	5861.5
20°	5534.3
22.5°	4828.4
25°	4009.9
27.5°	3490.7
30°	2708.7
32.5°	1749.7
35°	907.5
37.5°	490.2
40°	446.3
42.5°	443.0
45°	438.8
47.5°	429.1
50°	413.0
52.5°	394.8
55°	375.5
57.5°	354.0
60°	329.3
62.5°	301.4
65°	272.5
67.5°	240.3
70°	208.1
72.5°	175.9
75°	145.9
77.5°	114.8
80°	86.9
82.5°	61.1
85°	35.4
87.5°	13.9
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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