

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: P771541

Luminaire Tested: LD6D75BD010-EU6DR6070959027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771541
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: LD6D75BD010-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

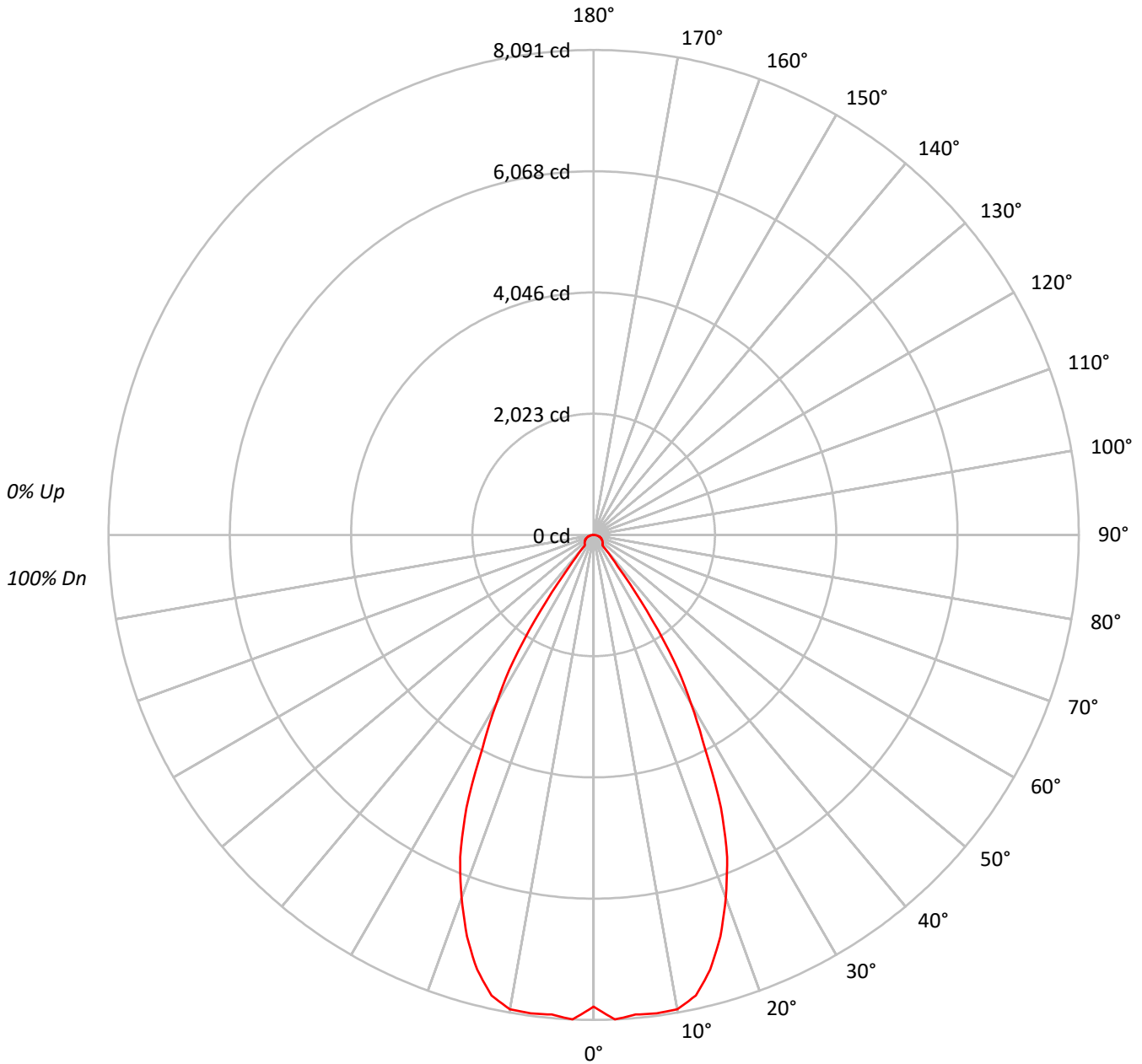
Lumens per Lamp: N/A
Luminaire Lumens: 6626.8 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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°	859893
5°	881033
10°	891675
15°	849449
20°	748948
25°	605769
30°	409754
35°	205329
40°	33304
45°	32603
50°	33248
55°	33755
60°	34701
65°	35471
70°	36322
75°	36769
80°	35424
85°	29586

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 36769 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	767.7	11.6
10°-20°	2077.2	31.3
20°-30°	2234.9	33.7
30°-40°	971.5	14.7
40°-50°	163.2	2.5
50°-60°	158.7	2.4
60°-70°	135.7	2.0
70°-80°	90.8	1.4
80°-90°	27.2	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°	5079.8	76.7
0°-40°	6051.3	91.3
0°-60°	6373.1	96.2
0°-90°	6626.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6626.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7870	
5°	8033	768
15°	7510	2077
25°	5025	2235
35°	1539	971
45°	211	163
55°	177	159
65°	137	136
75°	87	91
85°	24	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7870.1
2.5°	8091.3
5°	8032.9
7.5°	8051.4
10°	8037.0
12.5°	7871.1
15°	7509.6
17.5°	7024.1
20°	6441.3
22.5°	5817.6
25°	5024.8
27.5°	4019.0
30°	3247.8
32.5°	2503.2
35°	1539.4
37.5°	658.6
40°	233.5
42.5°	215.1
45°	211.0
47.5°	203.8
50°	195.6
52.5°	186.4
55°	177.2
57.5°	168.0
60°	158.8
62.5°	148.5
65°	137.2
67.5°	126.0
70°	113.7
72.5°	100.4
75°	87.1
77.5°	71.7
80°	56.3
82.5°	39.9
85°	23.6
87.5°	8.2
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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