

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: P771580

Luminaire Tested: LD6D75BD010-EU6DR6070959040-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771580
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-EU6DR6070959040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

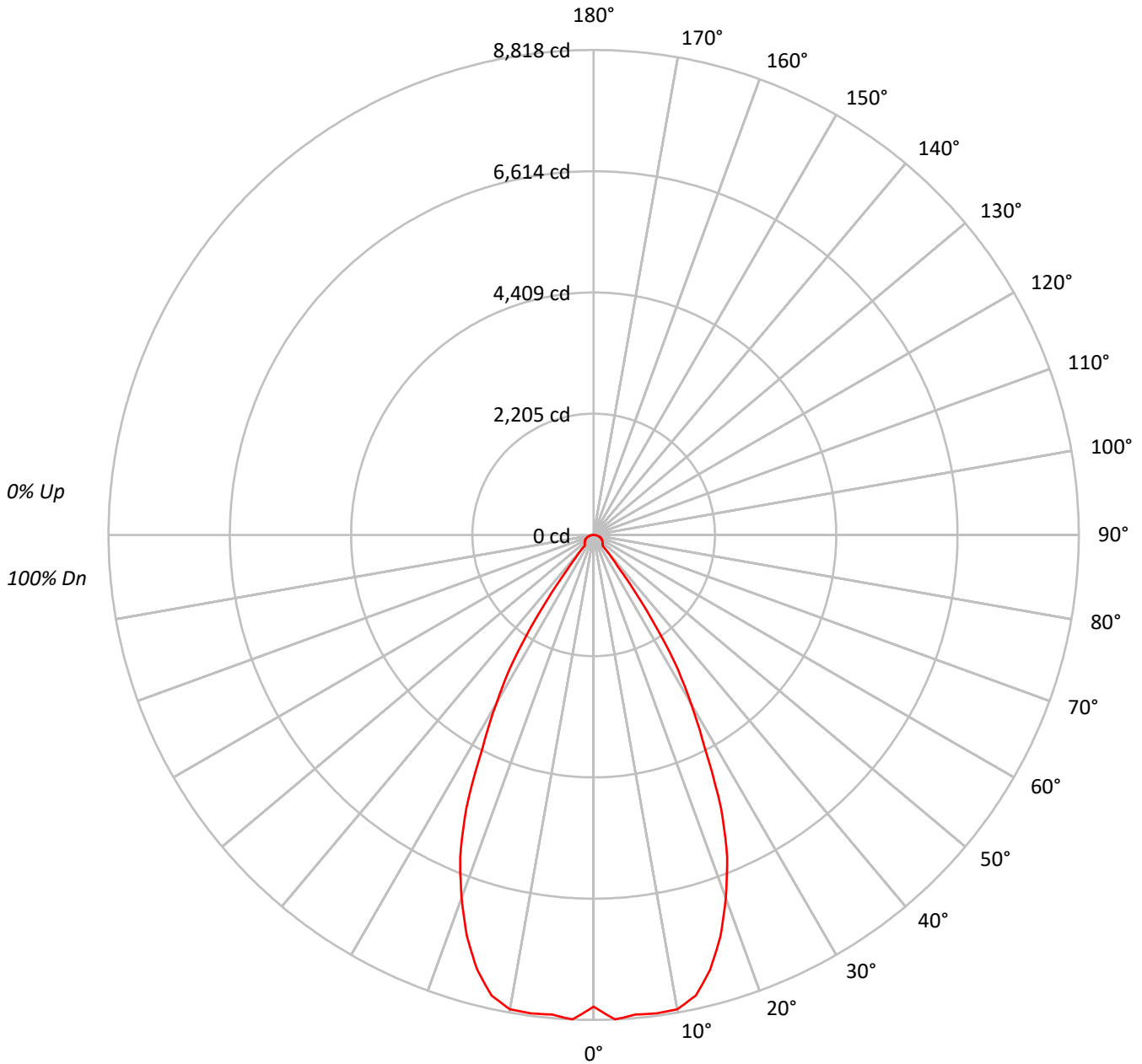
Lumens per Lamp: N/A
Luminaire Lumens: 7221.5 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	937064
5°	960111
10°	971701
15°	925677
20°	816166
25°	660140
30°	446530
35°	223763
40°	36299
45°	35524
50°	36240
55°	36784
60°	37804
65°	38677
70°	39581
75°	40062
80°	38633
85°	32218

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 40062 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	836.6	11.6
10°-20°	2263.6	31.3
20°-30°	2435.5	33.7
30°-40°	1058.7	14.7
40°-50°	177.8	2.5
50°-60°	172.9	2.4
60°-70°	147.9	2.0
70°-80°	99.0	1.4
80°-90°	29.6	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°	5535.7	76.7
0°-40°	6594.4	91.3
0°-60°	6945.0	96.2
0°-90°	7221.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7221.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8576	
5°	8754	837
15°	8184	2264
25°	5476	2435
35°	1678	1059
45°	230	178
55°	193	173
65°	150	148
75°	95	99
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8576.4
2.5°	8817.5
5°	8753.9
7.5°	8773.9
10°	8758.3
12.5°	8577.5
15°	8183.5
17.5°	7654.5
20°	7019.4
22.5°	6339.6
25°	5475.8
27.5°	4379.7
30°	3539.3
32.5°	2727.8
35°	1677.6
37.5°	717.7
40°	254.5
42.5°	234.4
45°	229.9
47.5°	222.1
50°	213.2
52.5°	203.1
55°	193.1
57.5°	183.0
60°	173.0
62.5°	161.8
65°	149.6
67.5°	137.3
70°	123.9
72.5°	109.4
75°	94.9
77.5°	78.1
80°	61.4
82.5°	43.5
85°	25.7
87.5°	8.9
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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