

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: P772750

Luminaire Tested: LD6D85BD010-EU6DR3570959040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR3570959040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

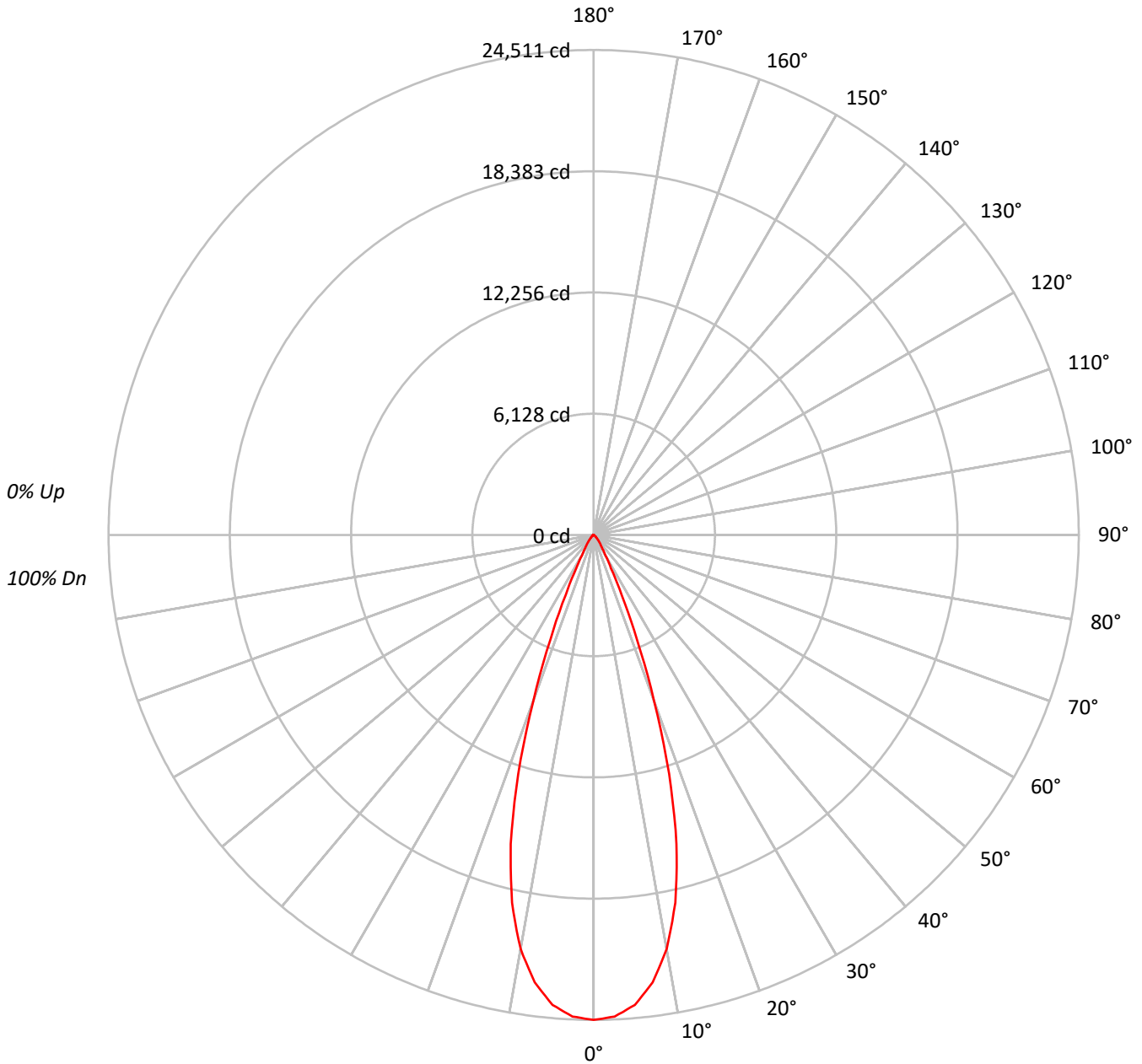
Lumens per Lamp: N/A
Luminaire Lumens: 8908.3 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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



TEST NUMBER: P772750
CATALOG NUMBER: LD6D85BD010-EU6DR3570959040-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P772750

CATALOG NUMBER: LD6D85BD010-EU6DR3570959040-6LBSQW1B

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96	96	96	96
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92	92
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88	88	88	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84	84	84	84
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81	81	81	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78	78	78	78
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75	75	75	75
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72	72	72	72
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70	70	70	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68	68	68	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2678112
5°	2615176
10°	2356976
15°	1829387
20°	1037596
25°	403669
30°	150601
35°	82551
40°	53957
45°	32835
50°	20907
55°	14763
60°	10817
65°	5869
70°	415
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 32835 cd/sqm



TEST NUMBER: P772750
 CATALOG NUMBER: LD6D85BD010-EU6DR3570959040-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2193.0	24.6
10°-20°	4281.6	48.1
20°-30°	1746.2	19.6
30°-40°	417.9	4.7
40°-50°	174.1	2.0
50°-60°	72.1	0.8
60°-70°	22.6	0.3
70°-80°	0.5	0.0
80°-90°	0.4	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°	8220.8	92.3
0°-40°	8638.6	97.0
0°-60°	8884.9	99.7
0°-90°	8908.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8908.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24511	
5°	23844	###
15°	16173	4282
25°	3348	1746
35°	619	418
45°	212	174
55°	78	72
65°	23	23
75°	0	1
85°	0	0
90°	0	



TEST NUMBER: P772750

CATALOG NUMBER: LD6D85BD010-EU6DR3570959040-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	24511.2
2.5°	24364.1
5°	23844.1
7.5°	22806.9
10°	21244.3
12.5°	19044.0
15°	16172.8
17.5°	12661.3
20°	8923.8
22.5°	5690.4
25°	3348.4
27.5°	1892.8
30°	1193.7
32.5°	838.1
35°	618.9
37.5°	478.5
40°	378.3
42.5°	291.4
45°	212.5
47.5°	159.1
50°	123.0
52.5°	97.6
55°	77.5
57.5°	62.8
60°	49.5
62.5°	36.1
65°	22.7
67.5°	8.0
70°	1.3
72.5°	1.3
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.3
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)