

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: P771528

Luminaire Tested: LD6D75BD010-EU6DR6070959024-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771528
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-EU6DR6070959024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

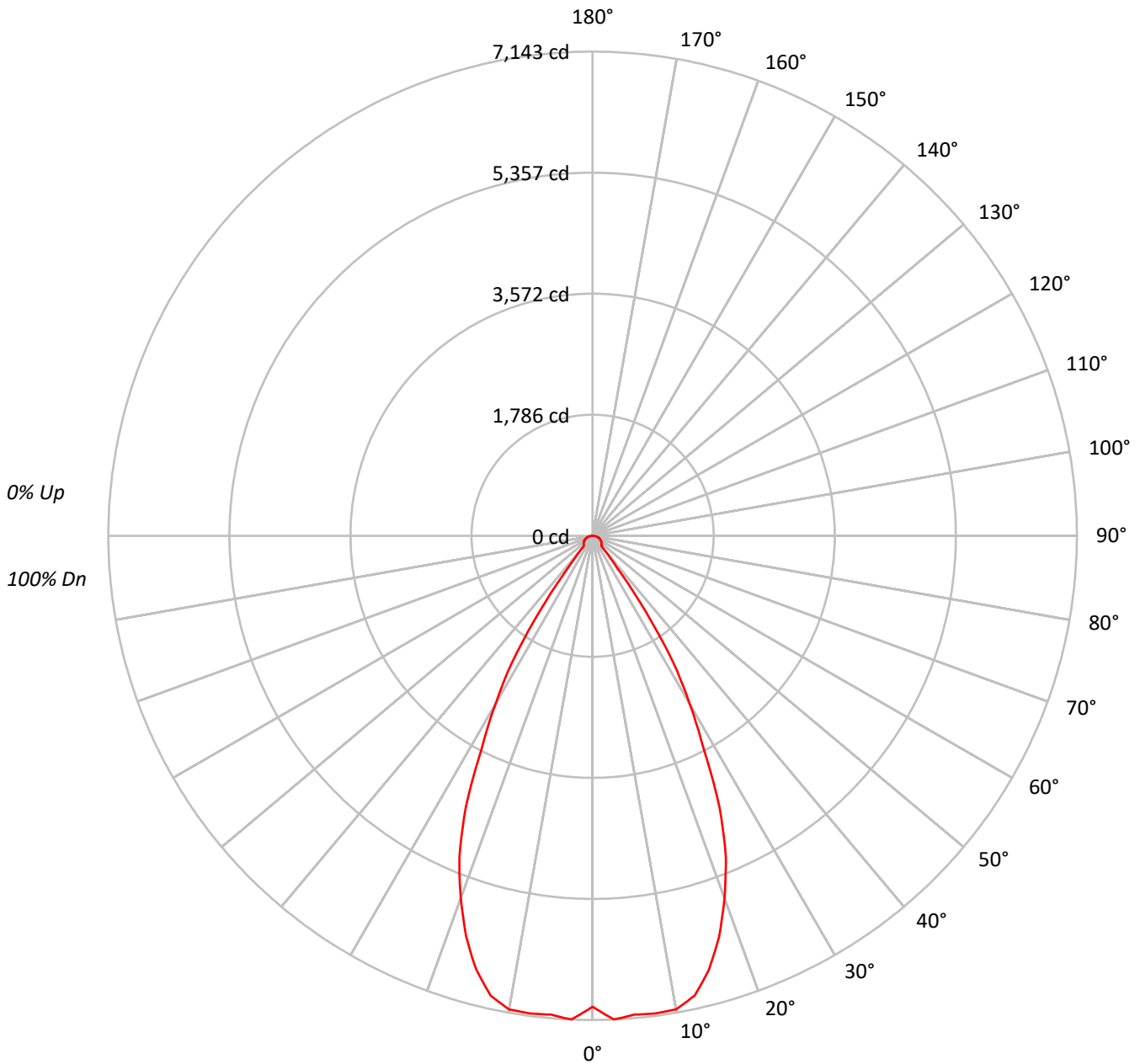
Lumens per Lamp: N/A
Luminaire Lumens: 5850.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P771528
CATALOG NUMBER: LD6D75BD010-EU6DR6070959024-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P771528

CATALOG NUMBER: LD6D75BD010-EU6DR6070959024-6LBSQW1B

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	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°	759100
5°	777771
10°	787164
15°	749874
20°	661162
25°	534762
30°	361723
35°	181267
40°	29396
45°	28787
50°	29355
55°	29793
60°	30615
65°	31334
70°	32073
75°	32463
80°	31272
85°	26075

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 32463 cd/sqm



TEST NUMBER: P771528

CATALOG NUMBER: LD6D75BD010-EU6DR6070959024-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	677.8	11.6
10°-20°	1833.7	31.3
20°-30°	1972.9	33.7
30°-40°	857.6	14.7
40°-50°	144.0	2.5
50°-60°	140.1	2.4
60°-70°	119.8	2.0
70°-80°	80.2	1.4
80°-90°	24.0	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°	4484.4	76.7
0°-40°	5342.0	91.3
0°-60°	5626.1	96.2
0°-90°	5850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5850.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6948	
5°	7091	678
15°	6629	1834
25°	4436	1973
35°	1359	858
45°	186	144
55°	156	140
65°	121	120
75°	77	80
85°	21	24
90°	0	



TEST NUMBER: P771528

CATALOG NUMBER: LD6D75BD010-EU6DR6070959024-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	6947.6
2.5°	7142.9
5°	7091.4
7.5°	7107.6
10°	7095.0
12.5°	6948.5
15°	6629.3
17.5°	6200.8
20°	5686.3
22.5°	5135.6
25°	4435.8
27.5°	3547.9
30°	2867.1
32.5°	2209.8
35°	1359.0
37.5°	581.4
40°	206.1
42.5°	189.9
45°	186.3
47.5°	179.9
50°	172.7
52.5°	164.6
55°	156.4
57.5°	148.3
60°	140.1
62.5°	131.1
65°	121.2
67.5°	111.2
70°	100.4
72.5°	88.6
75°	76.9
77.5°	63.3
80°	49.7
82.5°	35.3
85°	20.8
87.5°	7.2
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

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)