

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: P774701

Luminaire Tested: LD6D95BD010-EU6DR6070959040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774701
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: LD6D95BD010-EU6DR6070959040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

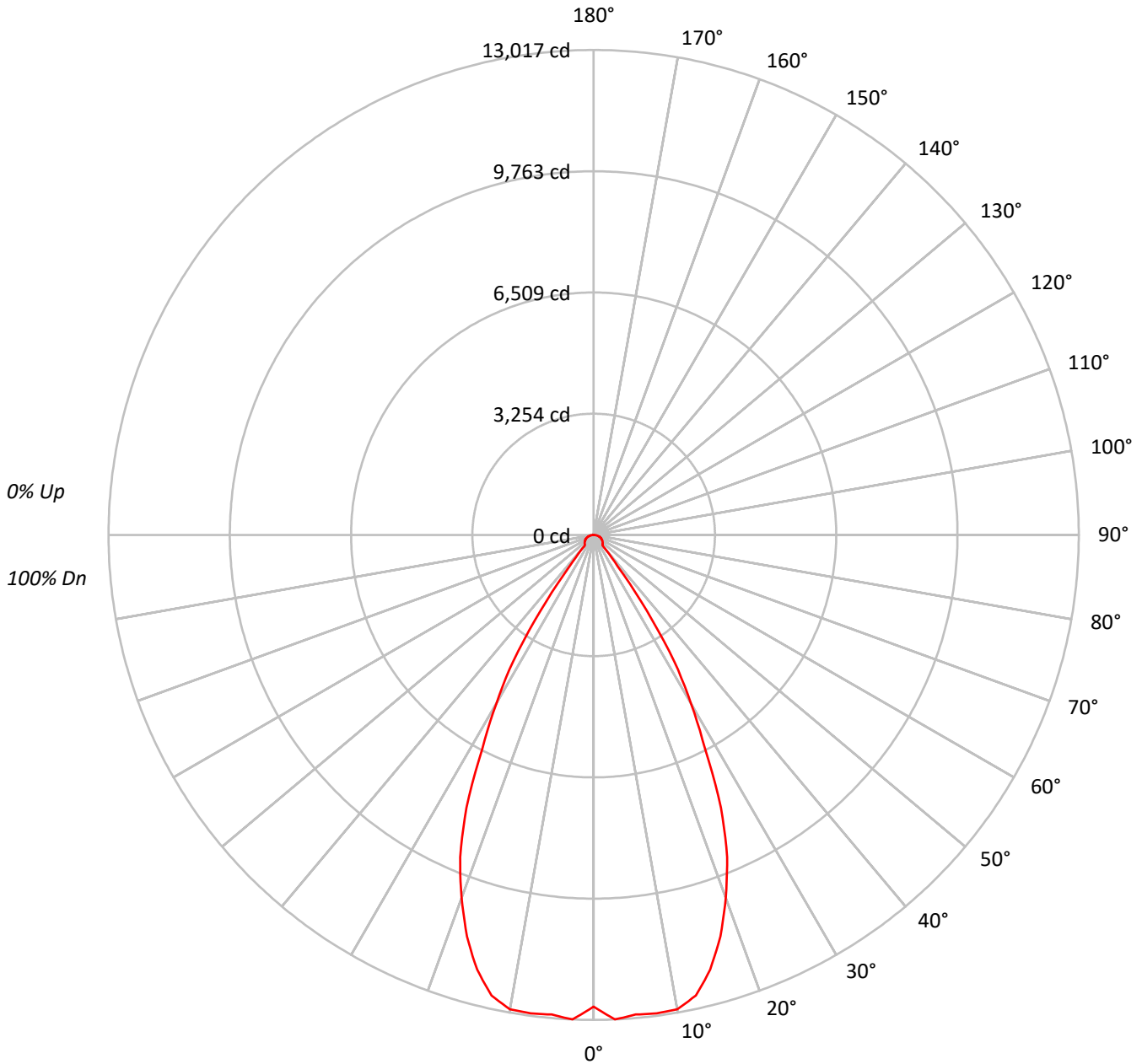
Lumens per Lamp: N/A
Luminaire Lumens: 10660.9 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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: P774701
CATALOG NUMBER: LD6D95BD010-EU6DR6070959040-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P774701

CATALOG NUMBER: LD6D95BD010-EU6DR6070959040-6LBSQW1MW

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°	1383361
5°	1417381
10°	1434502
15°	1366554
20°	1204878
25°	974538
30°	659191
35°	330322
40°	53586
45°	52443
50°	53493
55°	54309
60°	55810
65°	57084
70°	58429
75°	59143
80°	57006
85°	47512

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 59143 cd/sqm



TEST NUMBER: P774701

CATALOG NUMBER: LD6D95BD010-EU6DR6070959040-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1235.1	11.6
10°-20°	3341.7	31.3
20°-30°	3595.4	33.7
30°-40°	1562.8	14.7
40°-50°	262.5	2.5
50°-60°	255.2	2.4
60°-70°	218.3	2.0
70°-80°	146.1	1.4
80°-90°	43.7	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°	8172.2	76.7
0°-40°	9735.1	91.3
0°-60°	10252.8	96.2
0°-90°	10660.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10660.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12661	
5°	12923	###
15°	12081	3342
25°	8084	3595
35°	2476	1563
45°	339	262
55°	285	255
65°	221	218
75°	140	146
85°	38	44
90°	0	



TEST NUMBER: P774701

CATALOG NUMBER: LD6D95BD010-EU6DR6070959040-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	12661.1
2.5°	13017.0
5°	12923.1
7.5°	12952.8
10°	12929.7
12.5°	12662.8
15°	12081.1
17.5°	11300.1
20°	10362.5
22.5°	9359.1
25°	8083.7
27.5°	6465.7
30°	5224.9
32.5°	4027.0
35°	2476.5
37.5°	1059.5
40°	375.7
42.5°	346.0
45°	339.4
47.5°	327.9
50°	314.7
52.5°	299.9
55°	285.1
57.5°	270.2
60°	255.4
62.5°	238.9
65°	220.8
67.5°	202.7
70°	182.9
72.5°	161.5
75°	140.1
77.5°	115.3
80°	90.6
82.5°	64.3
85°	37.9
87.5°	13.2
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)