

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: P768217

Luminaire Tested: LD6D55D010-EU6DR4555659040-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR4555659040-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

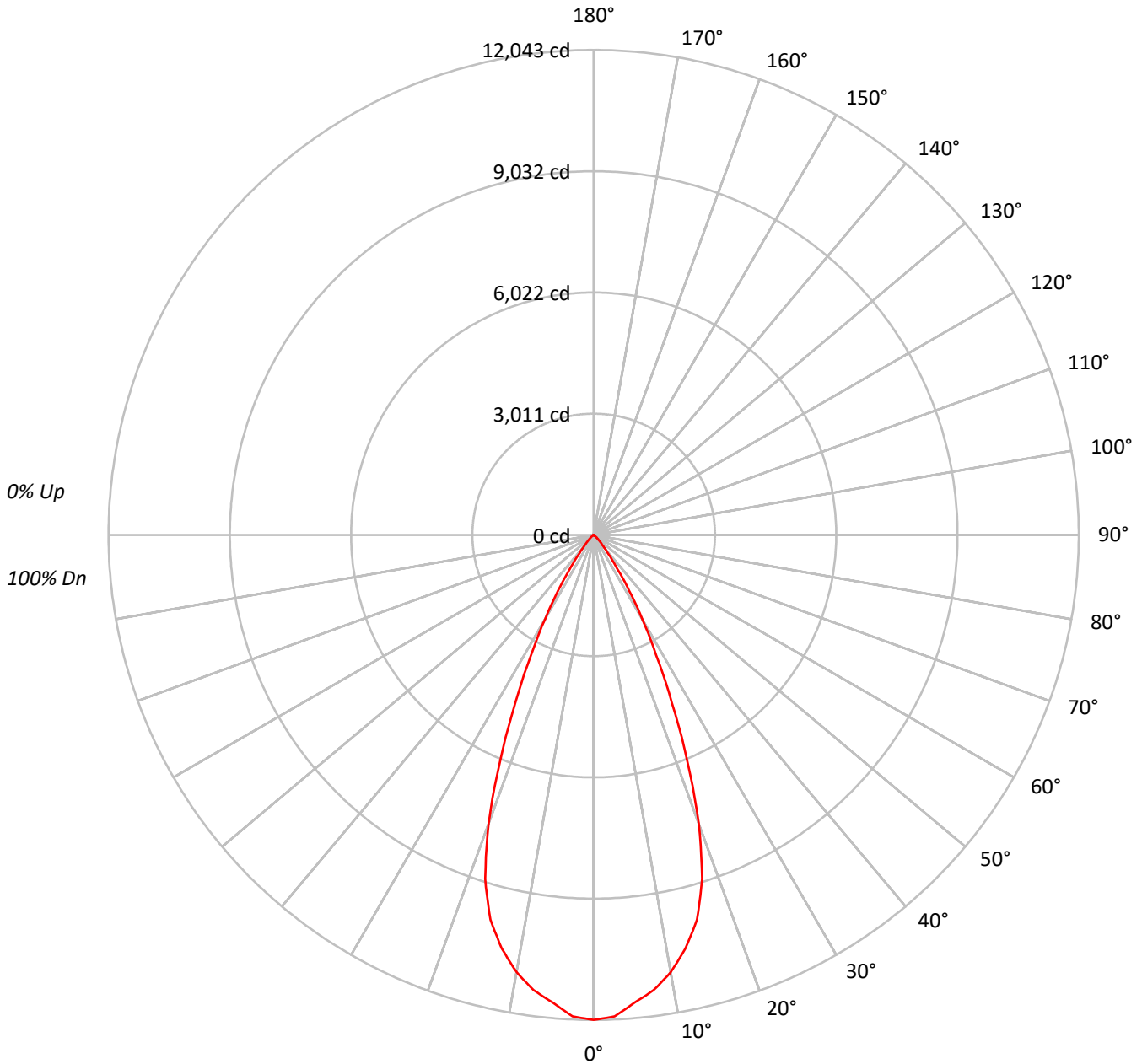
Lumens per Lamp: N/A
Luminaire Lumens: 6813.6 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
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: P768217
CATALOG NUMBER: LD6D55D010-EU6DR4555659040-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P768217

CATALOG NUMBER: LD6D55D010-EU6DR4555659040-6LBCSSQMW

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		98	98	97	95
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91	89	87	85
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87	84	82	81
5	96	89	84	80	95	88	83	80	86	82	79		85	81	79		83	80	78	77
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80	77	74	73
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77	73	71	69
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65		71	67	64		71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62		68	64	61		68	64	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1315860
5°	1278397
10°	1223083
15°	1119375
20°	888057
25°	554425
30°	305580
35°	137211
40°	54042
45°	25465
50°	12069
55°	6324
60°	3103
65°	724
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25465 cd/sqm



TEST NUMBER: P768217

CATALOG NUMBER: LD6D55D010-EU6DR4555659040-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1095.2	16.1
10°-20°	2695.4	39.6
20°-30°	2134.5	31.3
30°-40°	710.8	10.4
40°-50°	141.1	2.1
50°-60°	32.1	0.5
60°-70°	4.6	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	5925.0	87.0
0°-40°	6635.8	97.4
0°-60°	6808.9	99.9
0°-90°	6813.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6813.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12043	
5°	11656	###
15°	9896	2695
25°	4599	2134
35°	1029	711
45°	165	141
55°	33	32
65°	3	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P768217

CATALOG NUMBER: LD6D55D010-EU6DR4555659040-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

0°	
0°	12043.3
2.5°	11964.7
5°	11655.9
7.5°	11401.1
10°	11024.1
12.5°	10522.0
15°	9895.9
17.5°	8954.3
20°	7637.7
22.5°	6069.0
25°	4598.9
27.5°	3367.5
30°	2422.1
32.5°	1647.3
35°	1028.7
37.5°	610.0
40°	378.9
42.5°	249.1
45°	164.8
47.5°	106.1
50°	71.0
52.5°	47.4
55°	33.2
57.5°	21.8
60°	14.2
62.5°	7.6
65°	2.8
67.5°	0.9
70°	0.9
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
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)