

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: P762900

Luminaire Tested: LD6D25D010-EU6DR1515309035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR1515309035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2847.4 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): 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

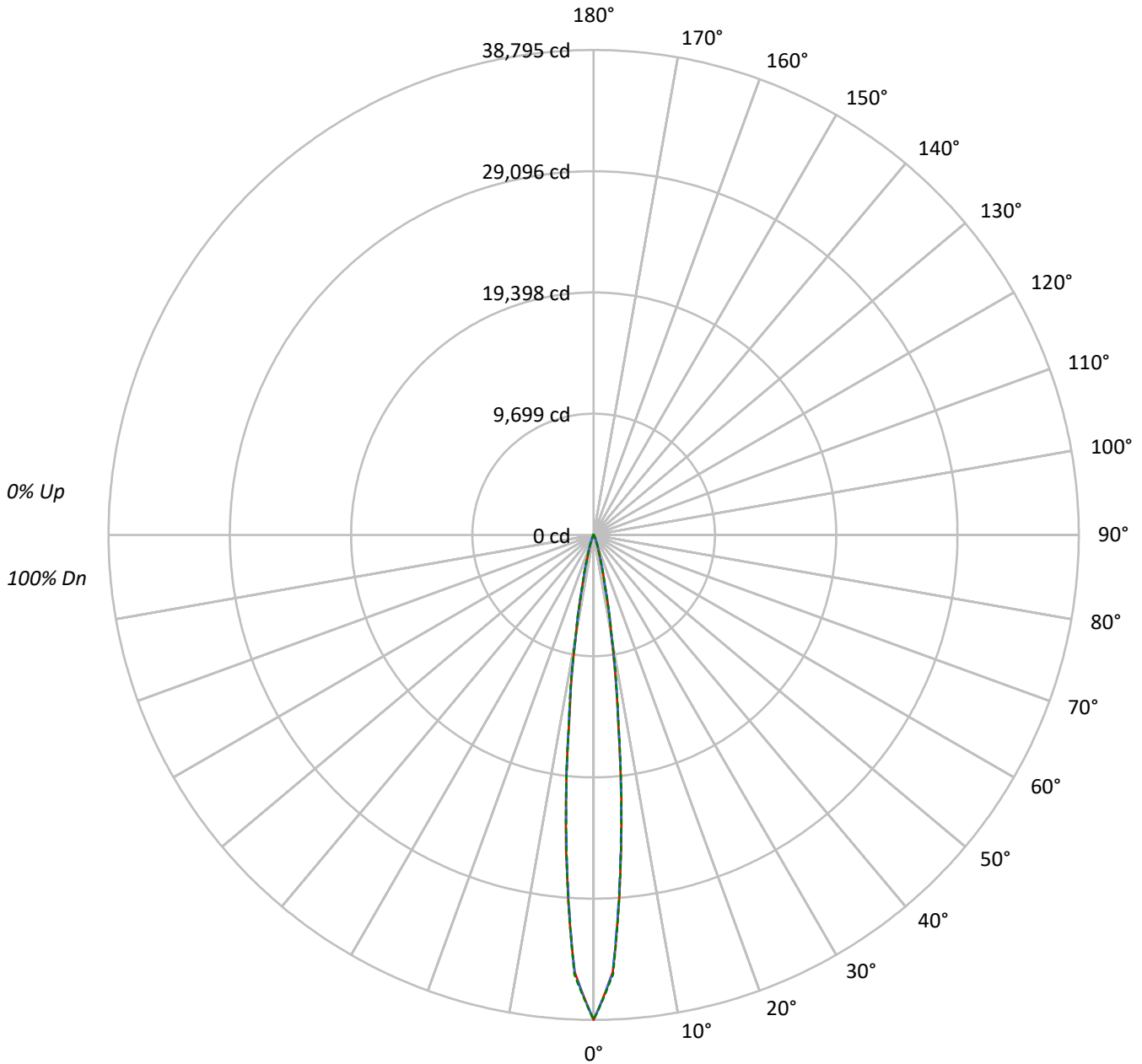


Downlight



TEST NUMBER: P762900
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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100															
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98				98															
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96				96															
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94				94															
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93				93															
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92				92															
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90				90															
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89				89															
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88				88															
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87				87															
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86				86															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4365223	4365223	4365223
5°	2565215	2531993	2552024
10°	765598	770963	782757
15°	190434	194142	188149
20°	56973	65982	58184
25°	20083	25590	20340
30°	7376	9712	7503
35°	3696	4176	3580
40°	2329	2564	2329
45°	1722	1841	1722
50°	1370	1370	1370
55°	1142	1142	1142
60°	920	920	920
65°	707	707	707
70°	600	600	600
75°	370	370	499
80°	260	260	260
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1841 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1846.7	64.9
10°-20°	759.6	26.7
20°-30°	150.9	5.3
30°-40°	37.7	1.3
40°-50°	19.8	0.7
50°-60°	14.7	0.5
60°-70°	10.4	0.4
70°-80°	5.9	0.2
80°-90°	1.8	0.1
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°	2757.2	96.8
0°-40°	2794.9	98.2
0°-60°	2829.3	99.4
0°-90°	2847.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2847.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38795	38795	38795	38795	38795	
5°	25241	24982	24914	25087	25111	1843
15°	2192	2234	2235	2196	2166	752
25°	258	292	328	291	261	135
35°	51	54	58	54	49	35
45°	25	25	26	25	25	19
55°	16	16	16	16	16	15
65°	10	10	10	10	10	10
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	38795.1	38795.1	38795.1	38795.1	38795.1
2.5°	34994.8	35024.3	35035.8	35070.3	35198.4
5°	25241.0	24981.5	24914.1	25086.6	25111.2
7.5°	14951.8	15004.3	15196.5	15239.2	15084.8
10°	8205.1	8272.4	8262.6	8321.7	8389.0
12.5°	4196.2	4143.6	4127.2	4194.5	4100.9
15°	2192.5	2233.6	2235.2	2195.8	2166.2
17.5°	1179.2	1226.8	1305.7	1241.6	1143.1
20°	696.3	739.0	806.4	753.8	711.1
22.5°	430.3	464.8	512.4	471.3	436.9
25°	257.8	292.3	328.5	290.7	261.1
27.5°	152.7	182.3	205.3	180.7	151.1
30°	98.5	115.0	129.7	113.3	100.2
32.5°	69.0	75.5	82.1	75.5	69.0
35°	50.9	54.2	57.5	54.2	49.3
37.5°	39.4	42.7	44.3	41.1	37.8
40°	32.8	34.5	36.1	34.5	32.8
42.5°	27.9	29.6	29.6	29.6	27.9
45°	24.6	24.6	26.3	24.6	24.6
47.5°	21.4	21.4	23.0	21.4	21.4
50°	19.7	19.7	19.7	19.7	19.7
52.5°	18.1	18.1	18.1	18.1	18.1
55°	16.4	16.4	16.4	16.4	16.4
57.5°	14.8	14.8	14.8	14.8	14.8
60°	13.1	13.1	13.1	13.1	13.1
62.5°	11.5	11.5	11.5	11.5	11.5
65°	9.9	9.9	9.9	9.9	9.9
67.5°	9.9	9.9	9.9	9.9	9.9
70°	8.2	8.2	8.2	8.2	8.2
72.5°	6.6	6.6	6.6	6.6	6.6
75°	4.9	4.9	4.9	4.9	6.6
77.5°	4.9	4.9	4.9	4.9	4.9
80°	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3
85°	1.6	1.6	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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