

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: P763797

Luminaire Tested: LD6D30D010-EU6DR1515309024-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763797
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: LD6D30D010-EU6DR1515309024-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2644.9 lumens
Efficiency: N/A
Efficacy: 91.2 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): 29
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

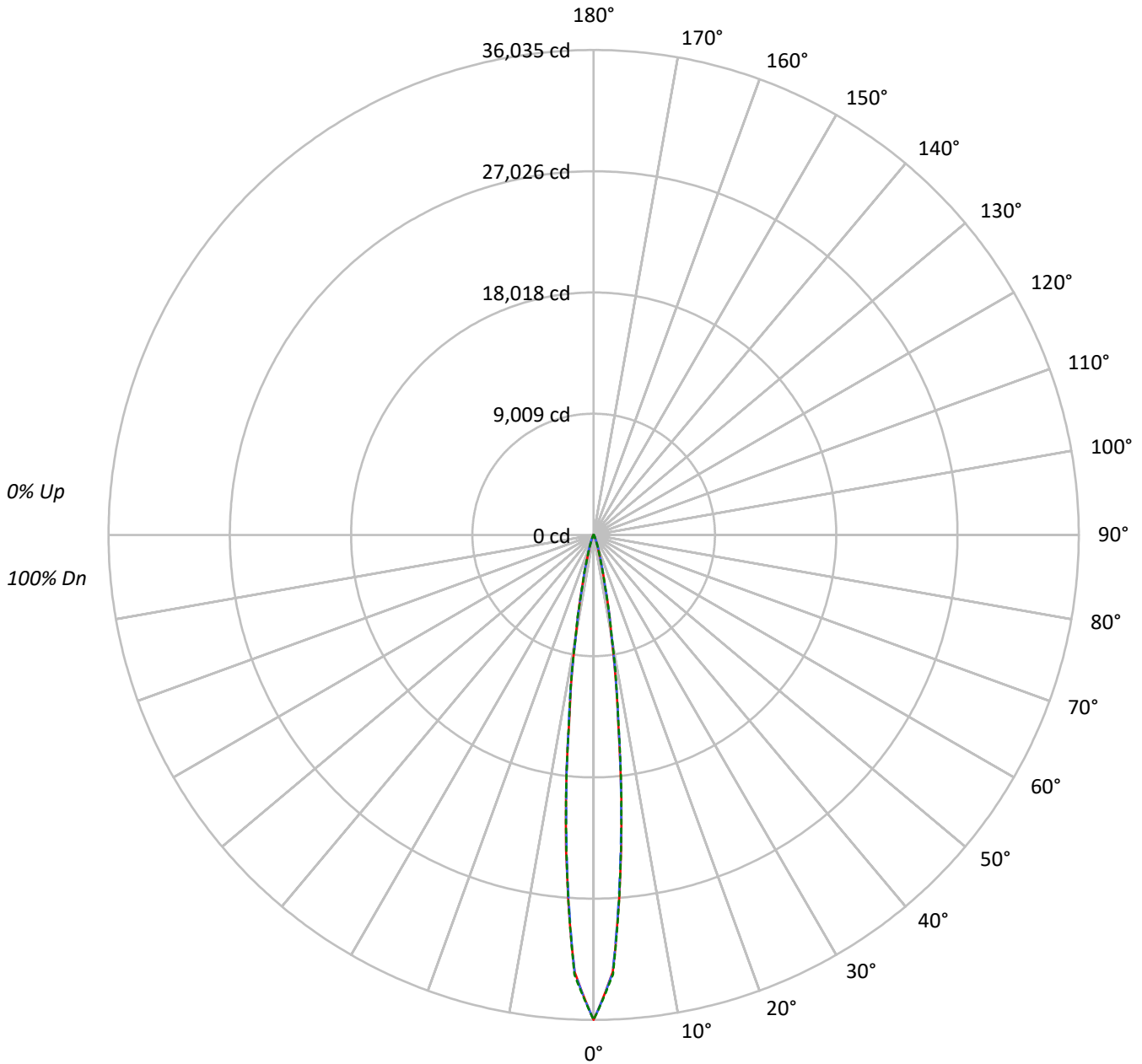


Downlight



TEST NUMBER: P763797
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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																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4054701	4054701	4054701
5°	2382730	2351886	2370484
10°	711134	716117	727081
15°	176884	180332	174765
20°	52923	61285	54044
25°	18657	23768	18899
30°	6852	9023	6971
35°	3435	3878	3326
40°	2166	2386	2166
45°	1603	1708	1603
50°	1273	1273	1273
55°	1065	1065	1065
60°	857	857	857
65°	657	657	657
70°	556	556	556
75°	348	348	461
80°	244	244	244
85°	125	125	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1708 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1715.4	64.9
10°-20°	705.6	26.7
20°-30°	140.1	5.3
30°-40°	35.0	1.3
40°-50°	18.4	0.7
50°-60°	13.6	0.5
60°-70°	9.7	0.4
70°-80°	5.5	0.2
80°-90°	1.7	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°	2561.1	96.8
0°-40°	2596.1	98.2
0°-60°	2628.1	99.4
0°-90°	2644.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2644.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36035	36035	36035	36035	36035	
5°	23445	23204	23142	23302	23325	1712
15°	2036	2075	2076	2040	2012	698
25°	240	272	305	270	243	126
35°	47	50	53	50	46	32
45°	23	23	24	23	23	18
55°	15	15	15	15	15	14
65°	9	9	9	9	9	10
75°	5	5	5	5	6	5
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°	36035.4	36035.4	36035.4	36035.4	36035.4
2.5°	32505.4	32532.9	32543.5	32575.6	32694.6
5°	23445.4	23204.4	23141.9	23302.0	23324.9
7.5°	13888.2	13937.0	14115.5	14155.1	14011.7
10°	7621.4	7684.0	7674.8	7729.7	7792.3
12.5°	3897.7	3848.8	3833.6	3896.1	3809.2
15°	2036.5	2074.7	2076.2	2039.6	2012.1
17.5°	1095.3	1139.5	1212.8	1153.3	1061.7
20°	646.8	686.5	749.0	700.2	660.5
22.5°	399.7	431.7	476.0	437.8	405.8
25°	239.5	271.5	305.1	270.0	242.6
27.5°	141.9	169.3	190.7	167.8	140.3
30°	91.5	106.8	120.5	105.3	93.1
32.5°	64.1	70.2	76.3	70.2	64.1
35°	47.3	50.3	53.4	50.3	45.8
37.5°	36.6	39.7	41.2	38.1	35.1
40°	30.5	32.0	33.6	32.0	30.5
42.5°	25.9	27.5	27.5	27.5	25.9
45°	22.9	22.9	24.4	22.9	22.9
47.5°	19.8	19.8	21.4	19.8	19.8
50°	18.3	18.3	18.3	18.3	18.3
52.5°	16.8	16.8	16.8	16.8	16.8
55°	15.3	15.3	15.3	15.3	15.3
57.5°	13.7	13.7	13.7	13.7	13.7
60°	12.2	12.2	12.2	12.2	12.2
62.5°	10.7	10.7	10.7	10.7	10.7
65°	9.2	9.2	9.2	9.2	9.2
67.5°	9.2	9.2	9.2	9.2	9.2
70°	7.6	7.6	7.6	7.6	7.6
72.5°	6.1	6.1	6.1	6.1	6.1
75°	4.6	4.6	4.6	4.6	6.1
77.5°	4.6	4.6	4.6	4.6	4.6
80°	3.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.5	1.5	1.5	1.5	1.5
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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