

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: P761533

Luminaire Tested: LD6D15D010-EU6DR500215IC9040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR500215IC9040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1454.3 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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



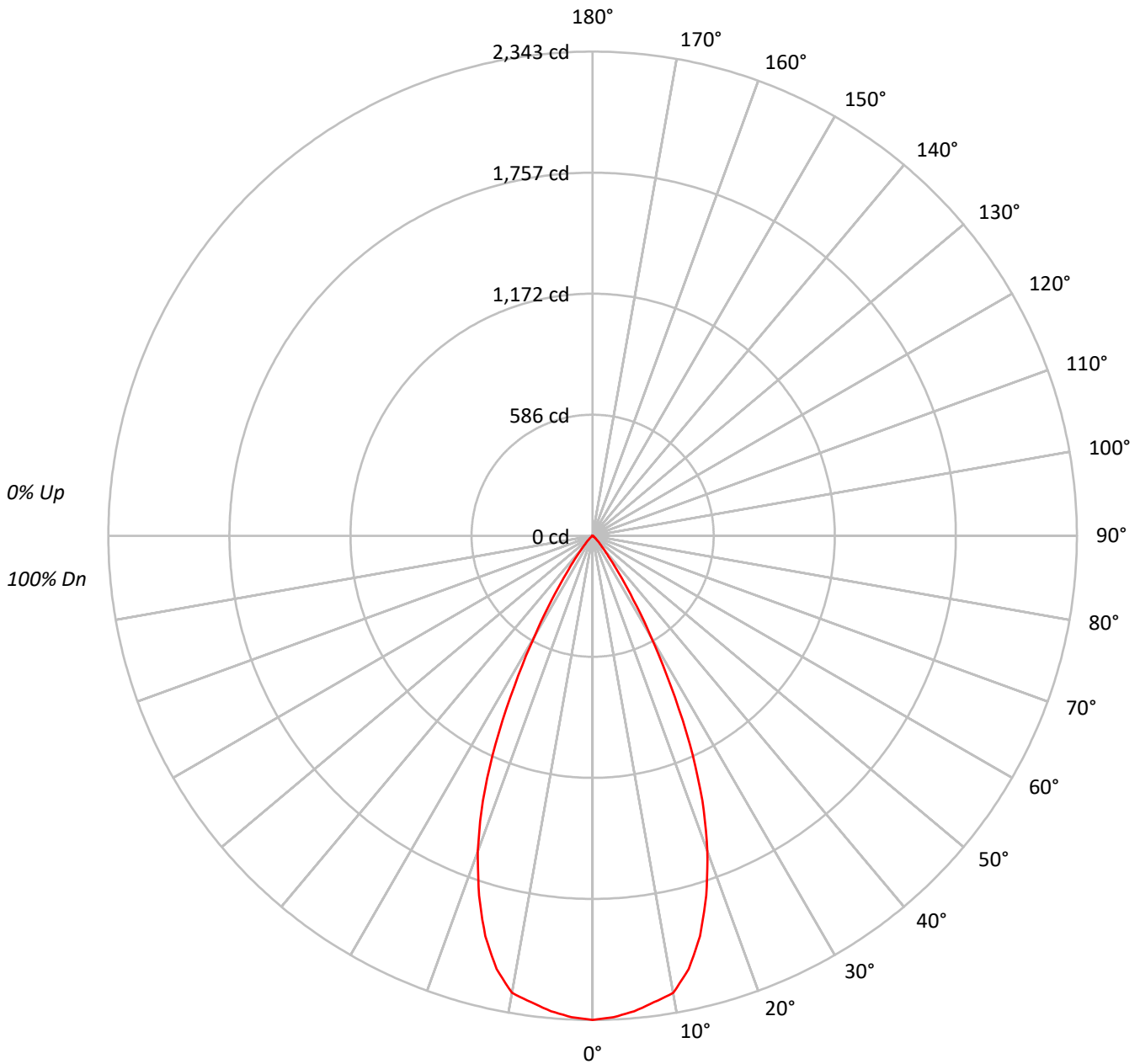
Downlight



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Luminous Intensity Polar Plot





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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
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95			95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80			80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76			76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72			72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69			69
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59			59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	256009
5°	253324
10°	249152
15°	226875
20°	188792
25°	134010
30°	70929
35°	28904
40°	10740
45°	4914
50°	2023
55°	1067
60°	503
65°	155
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4914 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	15.0
10°-20°	551.7	37.9
20°-30°	495.6	34.1
30°-40°	155.2	10.7
40°-50°	27.2	1.9
50°-60°	5.4	0.4
60°-70°	0.8	0.1
70°-80°	0.0	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°	1265.7	87.0
0°-40°	1420.8	97.7
0°-60°	1453.5	99.9
0°-90°	1454.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1454.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2343	
5°	2310	218
15°	2006	552
25°	1112	496
35°	217	155
45°	32	27
55°	6	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2343.1
2.5°	2331.5
5°	2309.7
7.5°	2276.6
10°	2245.7
12.5°	2147.0
15°	2005.7
17.5°	1826.3
20°	1623.7
22.5°	1389.2
25°	1111.6
27.5°	817.3
30°	562.2
32.5°	366.1
35°	216.7
37.5°	124.4
40°	75.3
42.5°	49.0
45°	31.8
47.5°	19.4
50°	11.9
52.5°	8.1
55°	5.6
57.5°	3.8
60°	2.3
62.5°	1.4
65°	0.6
67.5°	0.2
70°	0.0
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

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— 0°-180°

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(END OF REPORT)