

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: P761198

Luminaire Tested: LD6D15D010-EU6DR300215IC9030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR300215IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1432.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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



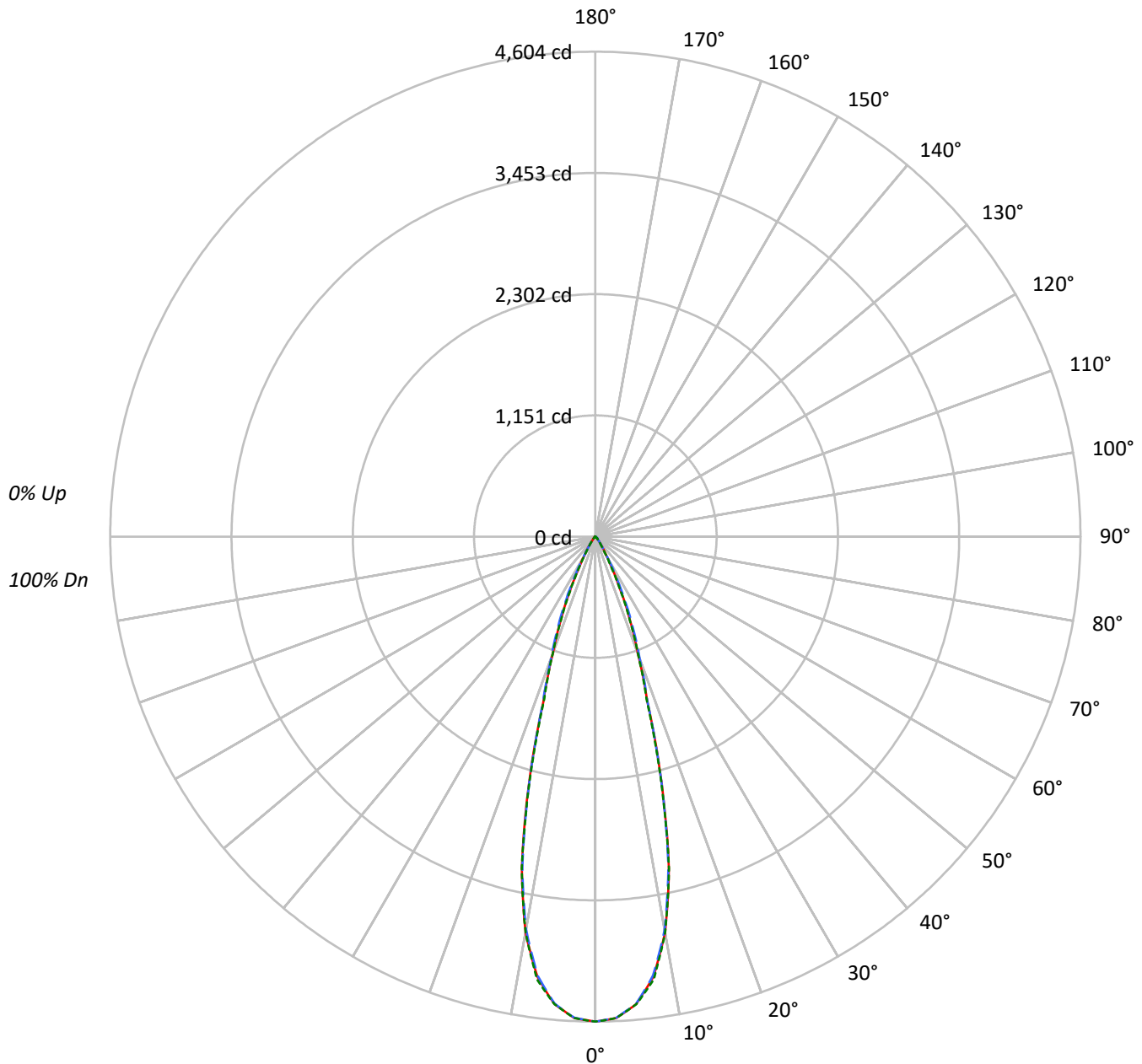
Downlight



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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
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109	112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101	109	105	102	100		102	100	98		99	97	96		97	95	94
3	107	102	98	95	105	101	97	94		98	95	93		96	93	91		94	92	90
4	103	98	93	90	102	96	93	90		94	91	89		93	90	88		91	89	87
5	100	94	89	86	98	93	89	86		91	88	85		90	86	84		88	86	83
6	97	90	85	82	95	89	85	82		88	84	81		87	83	81		85	83	80
7	94	87	82	79	92	86	82	79		85	81	78		84	81	78		83	80	78
8	91	84	79	76	90	83	79	76		82	78	76		81	78	75		80	77	75
9	88	81	76	73	87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71	85	78	74	71		77	73	71		76	73	71		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	352444	352444	352444
5°	342326	341935	342349
10°	296510	294419	296440
15°	193457	192419	191452
20°	96199	99808	96069
25°	48461	54643	47464
30°	19400	21142	16908
35°	8998	8615	7223
40°	3887	4317	3657
45°	2739	3399	2771
50°	941	2477	1000
55°	547	1028	574
60°	383	444	383
65°	254	254	254
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3399 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.9	28.3
10°-20°	652.1	45.5
20°-30°	281.8	19.7
30°-40°	64.2	4.5
40°-50°	22.1	1.5
50°-60°	5.4	0.4
60°-70°	1.4	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°	1338.8	93.5
0°-40°	1403.0	98.0
0°-60°	1430.5	99.9
0°-90°	1432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1432.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4604	4604	4604	4604	4604	
5°	4455	4451	4450	4459	4456	405
15°	2441	2412	2428	2420	2416	654
25°	574	596	647	580	562	275
35°	96	98	92	92	77	65
45°	25	31	31	31	26	18
55°	4	4	8	4	4	4
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4604.5	4604.5	4604.5	4604.5	4604.5
2.5°	4574.0	4570.9	4572.7	4575.0	4575.8
5°	4455.3	4451.0	4450.2	4459.4	4455.6
7.5°	4215.9	4209.8	4200.6	4221.6	4241.3
10°	3814.9	3808.1	3788.0	3797.9	3814.0
12.5°	3222.8	3200.9	3200.4	3232.1	3227.8
15°	2441.3	2411.9	2428.2	2420.3	2416.0
17.5°	1641.7	1630.4	1652.1	1645.6	1617.3
20°	1181.0	1183.9	1225.3	1204.5	1179.4
22.5°	861.8	872.4	921.5	867.8	848.2
25°	573.8	595.5	647.0	580.3	562.0
27.5°	352.9	362.8	415.0	348.4	338.4
30°	219.5	214.5	239.2	205.3	191.3
32.5°	144.0	137.7	145.6	130.7	119.3
35°	96.3	98.3	92.2	91.6	77.3
37.5°	60.2	69.2	61.0	65.1	49.7
40°	38.9	50.2	43.2	47.7	36.6
42.5°	31.9	38.7	35.5	37.8	32.5
45°	25.3	31.4	31.4	31.4	25.6
47.5°	14.0	21.0	26.9	21.5	14.9
50°	7.9	10.6	20.8	11.1	8.4
52.5°	5.4	6.1	14.3	6.3	5.7
55°	4.1	4.3	7.7	4.5	4.3
57.5°	3.2	3.4	4.1	3.4	3.2
60°	2.5	2.5	2.9	2.7	2.5
62.5°	1.8	1.8	2.1	1.8	1.8
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)