

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: P761225

Luminaire Tested: LD6D15D010-EU6DR300215IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761225
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-EU6DR300215IC9040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1557.4 lumens
Efficiency: N/A
Efficacy: 98.6 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 (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



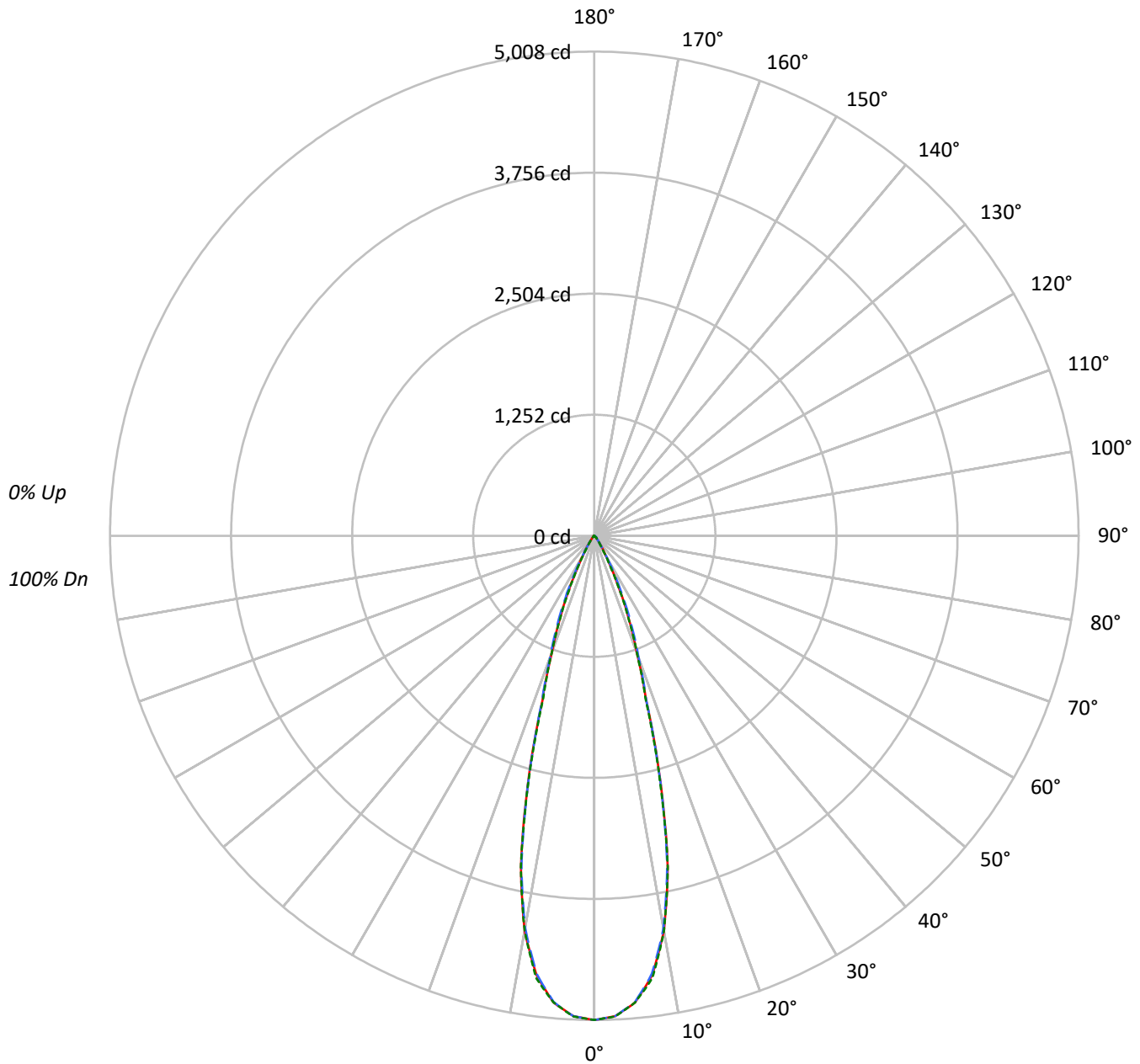
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	383314	383314	383314
5°	372315	371877	372331
10°	322478	320200	322400
15°	210400	209266	208220
20°	104622	108548	104483
25°	52701	59432	51620
30°	21097	22989	18384
35°	9783	9372	7858
40°	4227	4696	3977
45°	2988	3691	3009
50°	1024	2691	1084
55°	587	1121	627
60°	413	490	413
65°	272	272	272
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: 3691 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.4	28.3
10°-20°	709.2	45.5
20°-30°	306.5	19.7
30°-40°	69.9	4.5
40°-50°	24.0	1.5
50°-60°	5.9	0.4
60°-70°	1.5	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°	1456.0	93.5
0°-40°	1525.9	98.0
0°-60°	1555.7	99.9
0°-90°	1557.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1557.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5008	5008	5008	5008	5008	
5°	4846	4841	4840	4850	4846	441
15°	2655	2623	2641	2632	2628	711
25°	624	648	704	631	611	299
35°	105	107	100	100	84	71
45°	28	34	34	34	28	20
55°	4	5	8	5	5	4
65°	2	2	2	2	2	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°	5007.8	5007.8	5007.8	5007.8	5007.8
2.5°	4974.6	4971.2	4973.2	4975.6	4976.6
5°	4845.6	4840.9	4839.9	4850.0	4845.8
7.5°	4585.2	4578.6	4568.5	4591.3	4612.7
10°	4149.0	4141.6	4119.7	4130.6	4148.0
12.5°	3505.1	3481.2	3480.7	3515.2	3510.5
15°	2655.1	2623.1	2640.8	2632.3	2627.6
17.5°	1785.5	1773.2	1796.8	1789.7	1759.0
20°	1284.4	1287.6	1332.6	1310.0	1282.7
22.5°	937.2	948.8	1002.1	943.9	922.5
25°	624.0	647.6	703.7	631.2	611.2
27.5°	383.8	394.6	451.4	378.9	368.1
30°	238.7	233.3	260.1	223.2	208.0
32.5°	156.6	149.7	158.4	142.1	129.8
35°	104.7	107.0	100.3	99.6	84.1
37.5°	65.4	75.2	66.4	70.8	54.1
40°	42.3	54.6	47.0	51.9	39.8
42.5°	34.7	42.1	38.6	41.1	35.4
45°	27.6	34.1	34.1	34.1	27.8
47.5°	15.2	22.9	29.3	23.4	16.2
50°	8.6	11.6	22.6	12.0	9.1
52.5°	5.9	6.6	15.5	6.9	6.1
55°	4.4	4.7	8.4	4.9	4.7
57.5°	3.4	3.7	4.4	3.7	3.4
60°	2.7	2.7	3.2	2.9	2.7
62.5°	1.9	1.9	2.2	1.9	1.9
65°	1.5	1.5	1.5	1.5	1.5
67.5°	0.7	1.0	1.0	1.0	1.0
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)