

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: P761212

Luminaire Tested: LD6D15D010-EU6DR300215IC9035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761212
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-EU6DR300215IC9035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1420.9 lumens
Efficiency: N/A
Efficacy: 89.9 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



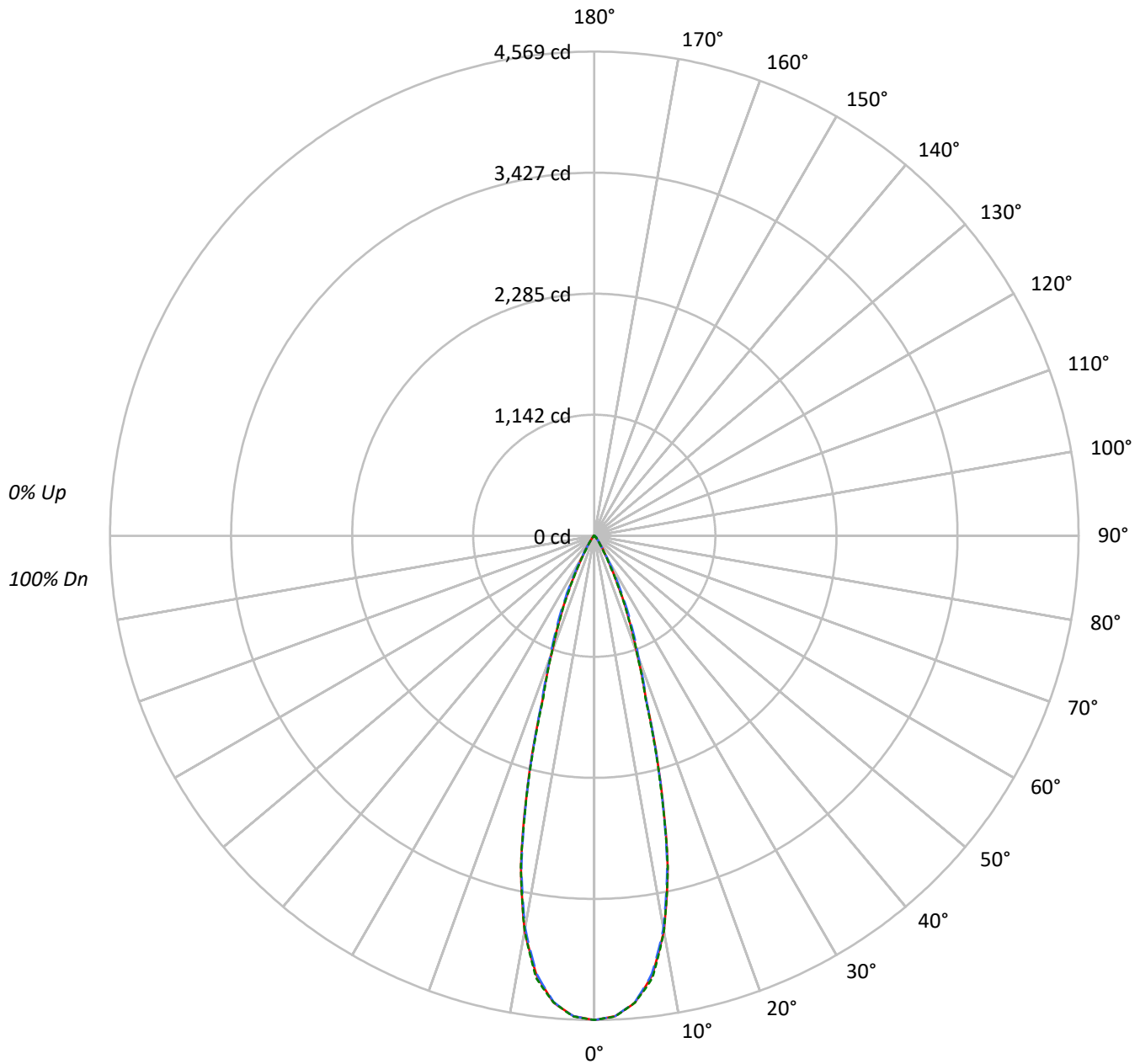
Downlight



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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°	349719	349719	349719
5°	339676	339284	339699
10°	294217	292142	294147
15°	191960	190929	189971
20°	95458	99034	95328
25°	48081	54221	47101
30°	19250	20974	16775
35°	8933	8550	7167
40°	3857	4287	3627
45°	2717	3377	2739
50°	929	2453	988
55°	534	1014	560
60°	383	444	383
65°	235	235	235
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: 3377 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.8	28.3
10°-20°	647.1	45.5
20°-30°	279.6	19.7
30°-40°	63.7	4.5
40°-50°	21.9	1.5
50°-60°	5.3	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°	1328.4	93.5
0°-40°	1392.1	98.0
0°-60°	1419.4	99.9
0°-90°	1420.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1420.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4569	4569	4569	4569	4569	
5°	4421	4417	4416	4425	4421	402
15°	2422	2393	2409	2402	2397	649
25°	569	591	642	576	558	273
35°	96	98	92	91	77	65
45°	25	31	31	31	25	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°	4568.9	4568.9	4568.9	4568.9	4568.9
2.5°	4538.6	4535.5	4537.3	4539.5	4540.4
5°	4420.8	4416.6	4415.7	4424.9	4421.1
7.5°	4183.3	4177.3	4168.0	4188.9	4208.4
10°	3785.4	3778.6	3758.7	3768.5	3784.5
12.5°	3197.9	3176.1	3175.7	3207.1	3202.8
15°	2422.4	2393.3	2409.4	2401.5	2397.3
17.5°	1629.0	1617.8	1639.3	1632.8	1604.8
20°	1171.9	1174.8	1215.8	1195.2	1170.3
22.5°	855.1	865.6	914.3	861.1	841.7
25°	569.3	590.8	642.0	575.8	557.7
27.5°	350.2	360.0	411.8	345.7	335.8
30°	217.8	212.9	237.3	203.7	189.8
32.5°	142.9	136.6	144.4	129.7	118.4
35°	95.6	97.6	91.5	90.9	76.7
37.5°	59.6	68.6	60.6	64.6	49.3
40°	38.6	49.8	42.9	47.3	36.3
42.5°	31.6	38.3	35.2	37.5	32.3
45°	25.1	31.2	31.2	31.2	25.3
47.5°	13.9	20.9	26.7	21.3	14.8
50°	7.8	10.5	20.6	11.0	8.3
52.5°	5.4	6.1	14.2	6.3	5.6
55°	4.0	4.2	7.6	4.5	4.2
57.5°	3.2	3.4	4.0	3.4	3.2
60°	2.5	2.5	2.9	2.7	2.5
62.5°	1.8	1.8	2.0	1.8	1.8
65°	1.3	1.3	1.3	1.3	1.3
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)