

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: P761438

Luminaire Tested: LD6D15D010-EU6DR450215IC9035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR450215IC9035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1585.5 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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



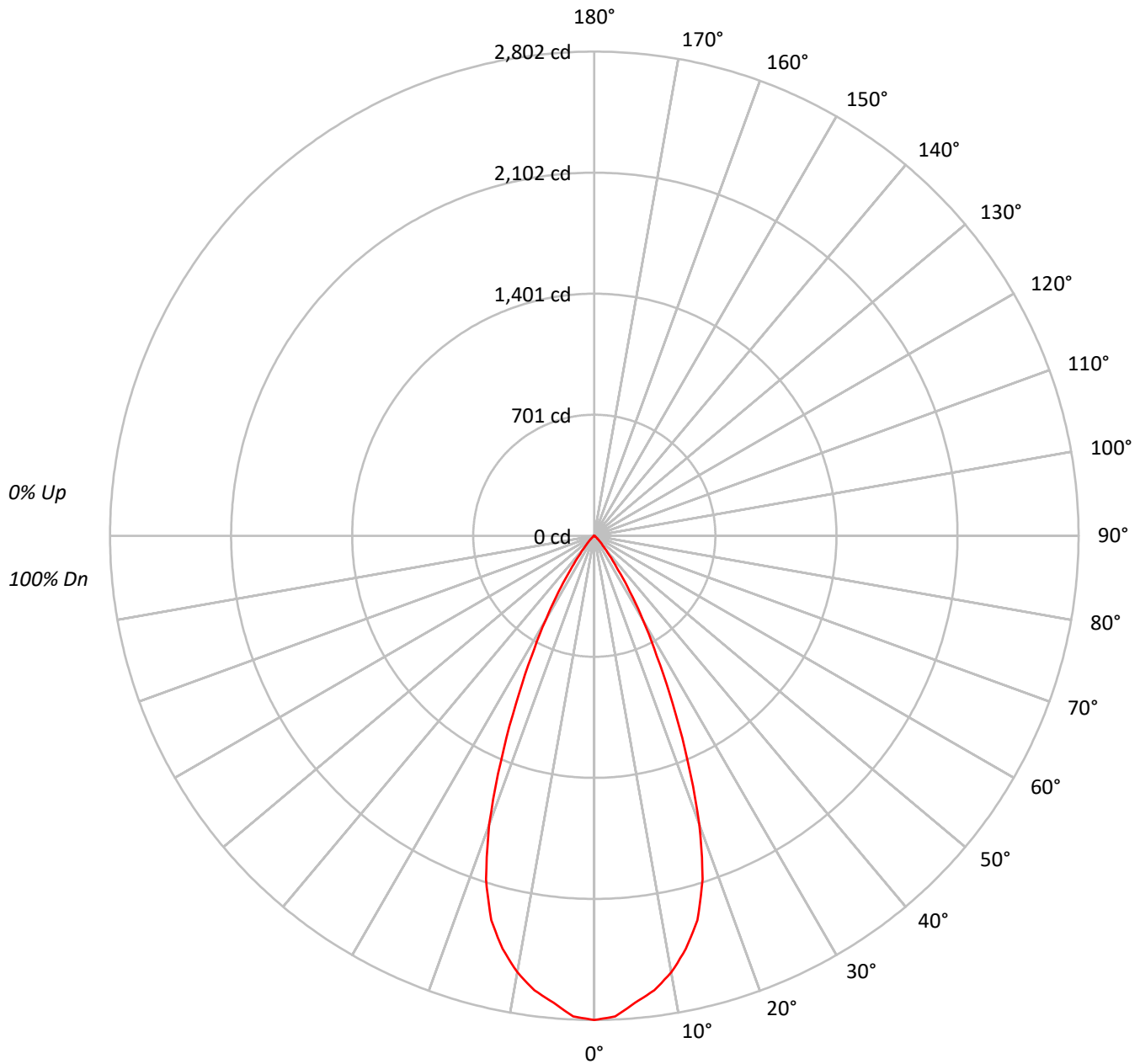
Downlight



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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					0
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	114	112	110	108	112	110	108	106		106	104	103		102	101	100		98	98	97
2	109	105	102	99	107	103	100	98		100	98	95		97	95	93		95	93	91
3	105	99	95	91	103	98	94	91		95	92	89		93	90	88		91	89	87
4	100	94	89	85	99	93	88	85		91	87	84		89	86	83		87	84	82
5	96	89	84	80	95	88	83	80		86	82	79		85	81	79		83	80	78
6	92	85	80	76	91	84	79	76		83	78	75		81	77	75		80	77	74
7	89	81	75	72	87	80	75	72		79	74	71		78	74	71		77	73	71
8	85	77	72	68	84	76	71	68		75	71	68		74	70	67		73	70	67
9	82	73	68	65	81	73	68	65		72	68	65		71	67	64		71	67	64
10	79	70	65	62	78	70	65	62		69	65	62		68	64	61		68	64	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	306203
5°	297480
10°	284610
15°	260470
20°	206640
25°	129019
30°	71106
35°	31932
40°	12580
45°	5918
50°	2822
55°	1467
60°	721
65°	181
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5918 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.8	16.1
10°-20°	627.2	39.6
20°-30°	496.7	31.3
30°-40°	165.4	10.4
40°-50°	32.8	2.1
50°-60°	7.4	0.5
60°-70°	1.1	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°	1378.7	87.0
0°-40°	1544.2	97.4
0°-60°	1584.4	99.9
0°-90°	1585.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1585.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2802	
5°	2712	255
15°	2303	627
25°	1070	497
35°	239	165
45°	38	33
55°	8	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2802.5
2.5°	2784.1
5°	2712.3
7.5°	2653.0
10°	2565.3
12.5°	2448.4
15°	2302.7
17.5°	2083.7
20°	1777.2
22.5°	1412.3
25°	1070.2
27.5°	783.6
30°	563.6
32.5°	383.3
35°	239.4
37.5°	142.0
40°	88.2
42.5°	58.0
45°	38.3
47.5°	24.7
50°	16.6
52.5°	11.0
55°	7.7
57.5°	5.0
60°	3.3
62.5°	1.8
65°	0.7
67.5°	0.2
70°	0.2
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



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— 0°-180°







(END OF REPORT)