

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: P761837

Luminaire Tested: LD6D15D010-EU6DR700215IC9050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR700215IC9050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1586.9 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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



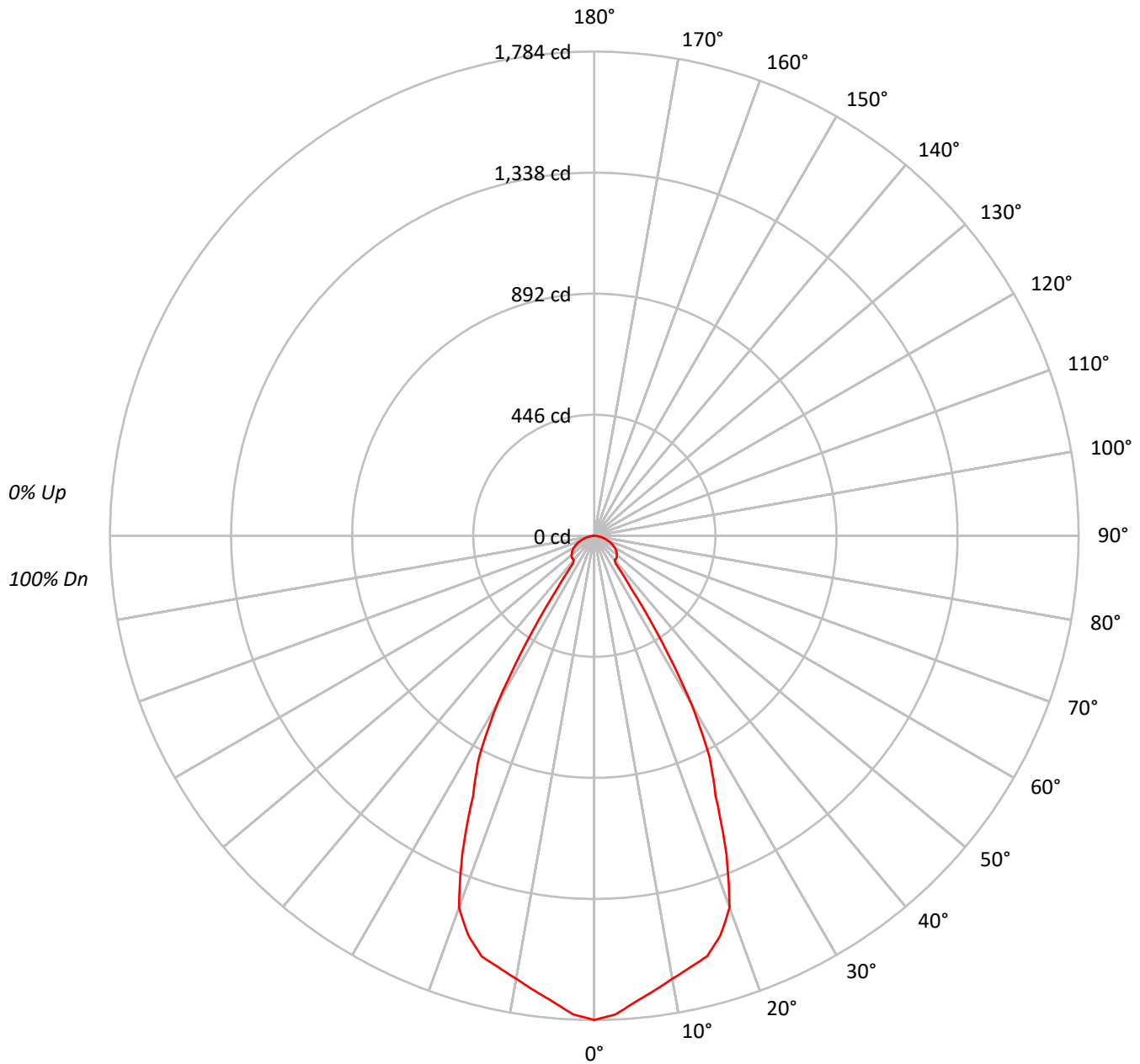
Downlight



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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	112	109	106	103	110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91	103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82	98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75	92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69	87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64	83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59	79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56	75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52	72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49	69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	194932
5°	189140
10°	183871
15°	181459
20°	169444
25°	127295
30°	89992
35°	31878
40°	16759
45°	17847
50°	18477
55°	18839
60°	18946
65°	18537
70°	17506
75°	16211
80°	14409
85°	11659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 18952 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.7	10.2
10°-20°	446.2	28.1
20°-30°	491.4	31.0
30°-40°	187.8	11.8
40°-50°	88.6	5.6
50°-60°	88.1	5.6
60°-70°	70.6	4.4
70°-80°	40.6	2.6
80°-90°	11.0	0.7
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°	1100.2	69.3
0°-40°	1288.0	81.2
0°-60°	1464.7	92.3
0°-90°	1586.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1586.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1784	
5°	1724	163
15°	1604	446
25°	1056	491
35°	239	188
45°	116	89
55°	99	88
65°	72	71
75°	38	41
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1784.1
2.5°	1765.5
5°	1724.5
7.5°	1690.3
10°	1657.3
12.5°	1629.3
15°	1604.2
17.5°	1543.5
20°	1457.3
22.5°	1271.4
25°	1055.9
27.5°	919.2
30°	713.3
32.5°	460.7
35°	239.0
37.5°	129.1
40°	117.5
42.5°	116.7
45°	115.5
47.5°	113.0
50°	108.7
52.5°	103.9
55°	98.9
57.5°	93.2
60°	86.7
62.5°	79.4
65°	71.7
67.5°	63.3
70°	54.8
72.5°	46.4
75°	38.4
77.5°	30.3
80°	22.9
82.5°	16.1
85°	9.3
87.5°	3.7
90°	0.0



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— 0°-180°







(END OF REPORT)