

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: P761824

Luminaire Tested: LD6D15D010-EU6DR700215IC9040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761824
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-EU6DR700215IC9040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1605.8 lumens
Efficiency: N/A
Efficacy: 101.6 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



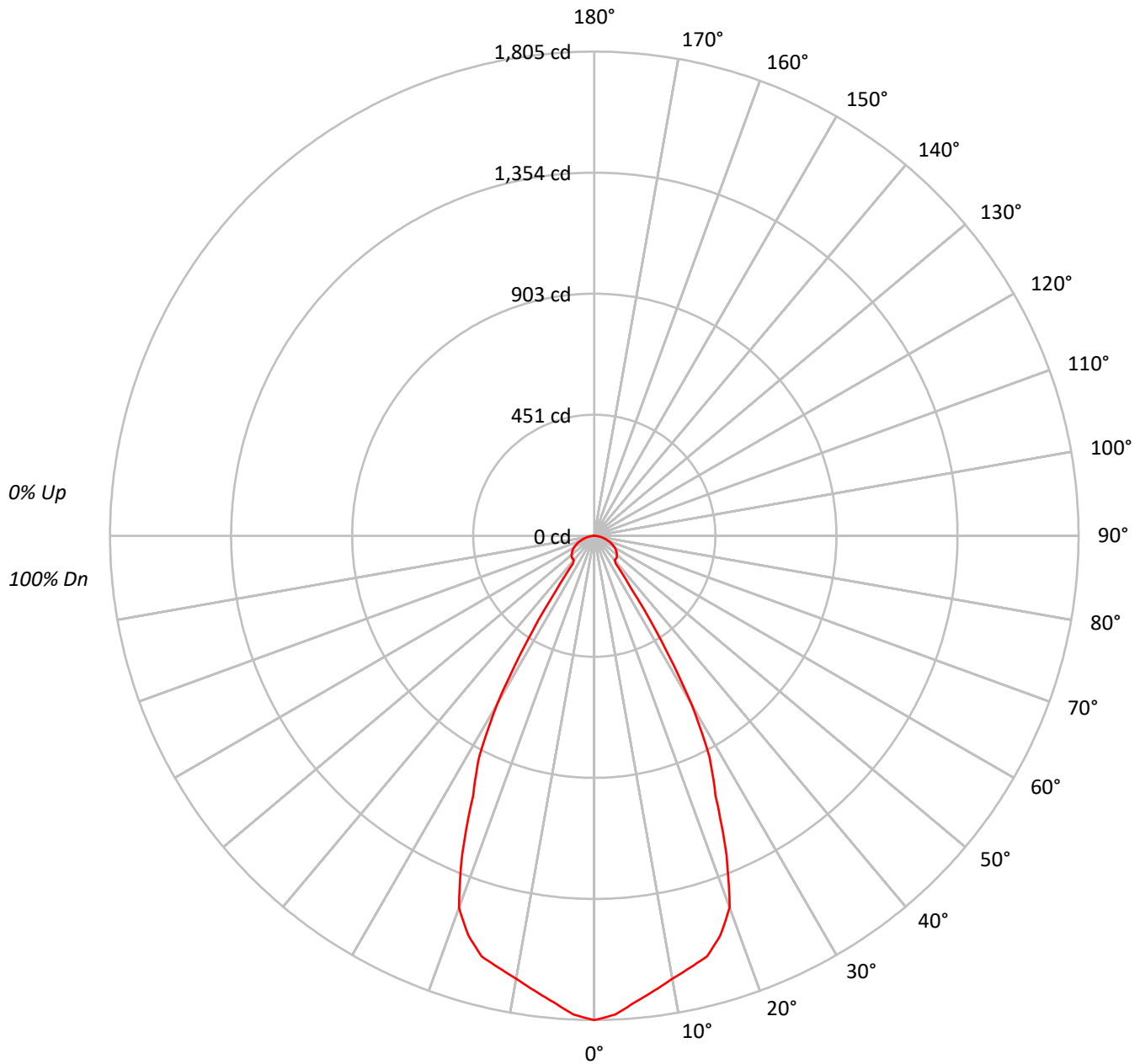
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	197259
5°	191399
10°	186068
15°	183620
20°	171468
25°	128814
30°	91052
35°	32252
40°	16959
45°	18063
50°	18715
55°	19049
60°	19186
65°	18769
70°	17730
75°	16422
80°	14535
85°	11909

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 19186 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.6	10.3
10°-20°	451.5	28.1
20°-30°	497.2	31.0
30°-40°	190.0	11.8
40°-50°	89.7	5.6
50°-60°	89.2	5.6
60°-70°	71.4	4.4
70°-80°	41.1	2.6
80°-90°	11.2	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°	1113.3	69.3
0°-40°	1303.3	81.2
0°-60°	1482.2	92.3
0°-90°	1605.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1605.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1805	
5°	1745	165
15°	1623	451
25°	1068	497
35°	242	190
45°	117	90
55°	100	89
65°	73	71
75°	39	41
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1805.4
2.5°	1786.5
5°	1745.1
7.5°	1710.5
10°	1677.1
12.5°	1648.8
15°	1623.3
17.5°	1561.9
20°	1474.7
22.5°	1286.6
25°	1068.5
27.5°	930.1
30°	721.7
32.5°	466.2
35°	241.8
37.5°	130.6
40°	118.9
42.5°	118.0
45°	116.9
47.5°	114.4
50°	110.1
52.5°	105.2
55°	100.0
57.5°	94.3
60°	87.8
62.5°	80.3
65°	72.6
67.5°	64.1
70°	55.5
72.5°	46.9
75°	38.9
77.5°	30.6
80°	23.1
82.5°	16.3
85°	9.5
87.5°	3.7
90°	0.0



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— 0°-180°







(END OF REPORT)