

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: P761630

Luminaire Tested: LD6D15D010-EU6DR600215IC9024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR600215IC9024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1205.2 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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



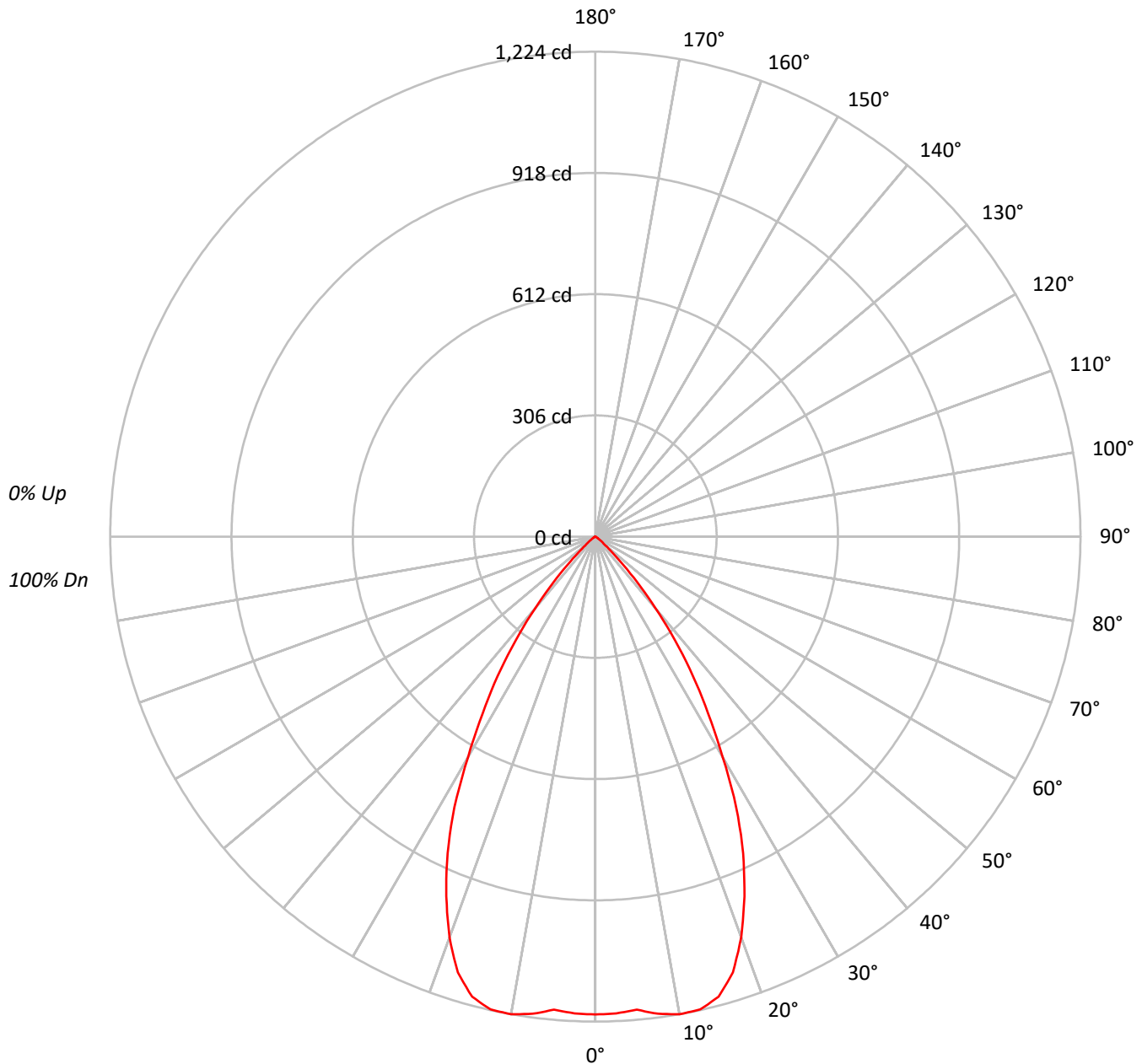
Downlight



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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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	131779
5°	131460
10°	135820
15°	135964
20°	125098
25°	106403
30°	81085
35°	57341
40°	33675
45°	13582
50°	4538
55°	2191
60°	896
65°	129
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13582 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	9.6
10°-20°	333.0	27.6
20°-30°	398.5	33.1
30°-40°	266.6	22.1
40°-50°	79.0	6.6
50°-60°	11.4	0.9
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°	847.2	70.3
0°-40°	1113.8	92.4
0°-60°	1204.2	99.9
0°-90°	1205.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1205.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1206	
5°	1199	116
15°	1202	333
25°	883	399
35°	430	267
45°	88	79
55°	12	11
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1206.1
2.5°	1204.6
5°	1198.6
7.5°	1214.8
10°	1224.2
12.5°	1222.5
15°	1202.0
17.5°	1153.6
20°	1075.9
22.5°	982.7
25°	882.6
27.5°	769.9
30°	642.7
32.5°	529.1
35°	429.9
37.5°	330.5
40°	236.1
42.5°	155.7
45°	87.9
47.5°	45.0
50°	26.7
52.5°	17.3
55°	11.5
57.5°	7.3
60°	4.1
62.5°	1.7
65°	0.5
67.5°	0.2
70°	0.0
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)