

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: P774606

Luminaire Tested: LD6D95BD010-EU6DR5570959035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR5570959035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12161.2 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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

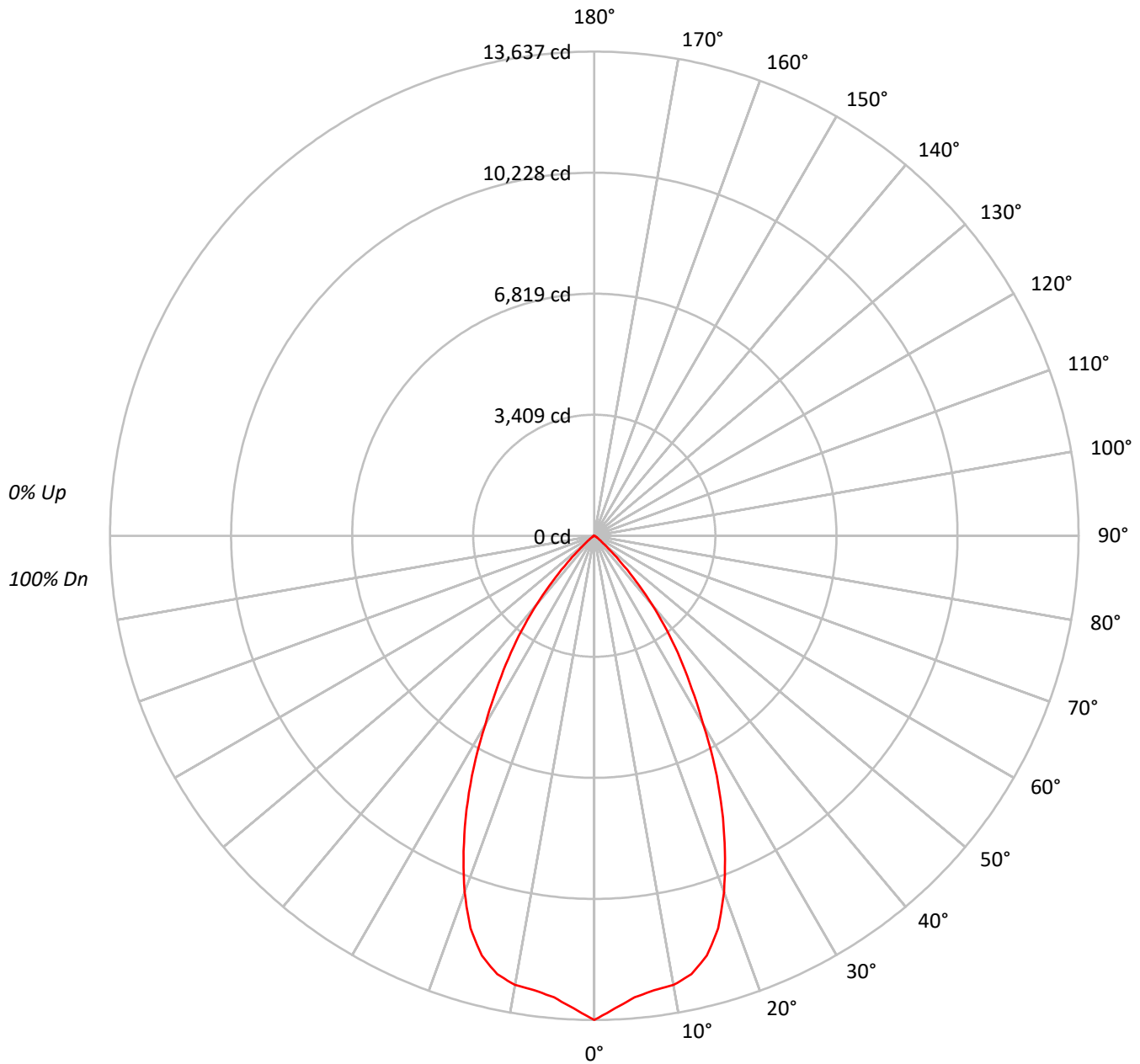


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1489978
5°	1430806
10°	1425416
15°	1384460
20°	1241364
25°	1025931
30°	774959
35°	561902
40°	359598
45°	164237
50°	53714
55°	23183
60°	9965
65°	1319
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 164237 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1241.3	10.2
10°-20°	3387.9	27.9
20°-30°	3860.8	31.7
30°-40°	2628.2	21.6
40°-50°	905.7	7.4
50°-60°	125.2	1.0
60°-70°	12.1	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°	8490.0	69.8
0°-40°	11118.2	91.4
0°-60°	12149.1	99.9
0°-90°	12161.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12161.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13637	
5°	13046	###
15°	12239	3388
25°	8510	3861
35°	4213	2628
45°	1063	906
55°	122	125
65°	5	12
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13636.9
2.5°	13324.3
5°	13045.5
7.5°	12908.6
10°	12847.8
12.5°	12645.0
15°	12239.4
17.5°	11595.6
20°	10676.3
22.5°	9615.1
25°	8510.0
27.5°	7359.2
30°	6142.5
32.5°	5111.7
35°	4212.7
37.5°	3357.7
40°	2521.2
42.5°	1747.3
45°	1062.9
47.5°	572.9
50°	316.0
52.5°	187.6
55°	121.7
57.5°	77.7
60°	45.6
62.5°	20.3
65°	5.1
67.5°	1.7
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)