

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: P774642

Luminaire Tested: LD6D95BD010-EU6DR6070959024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6070959024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10088.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (A_{in}): 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

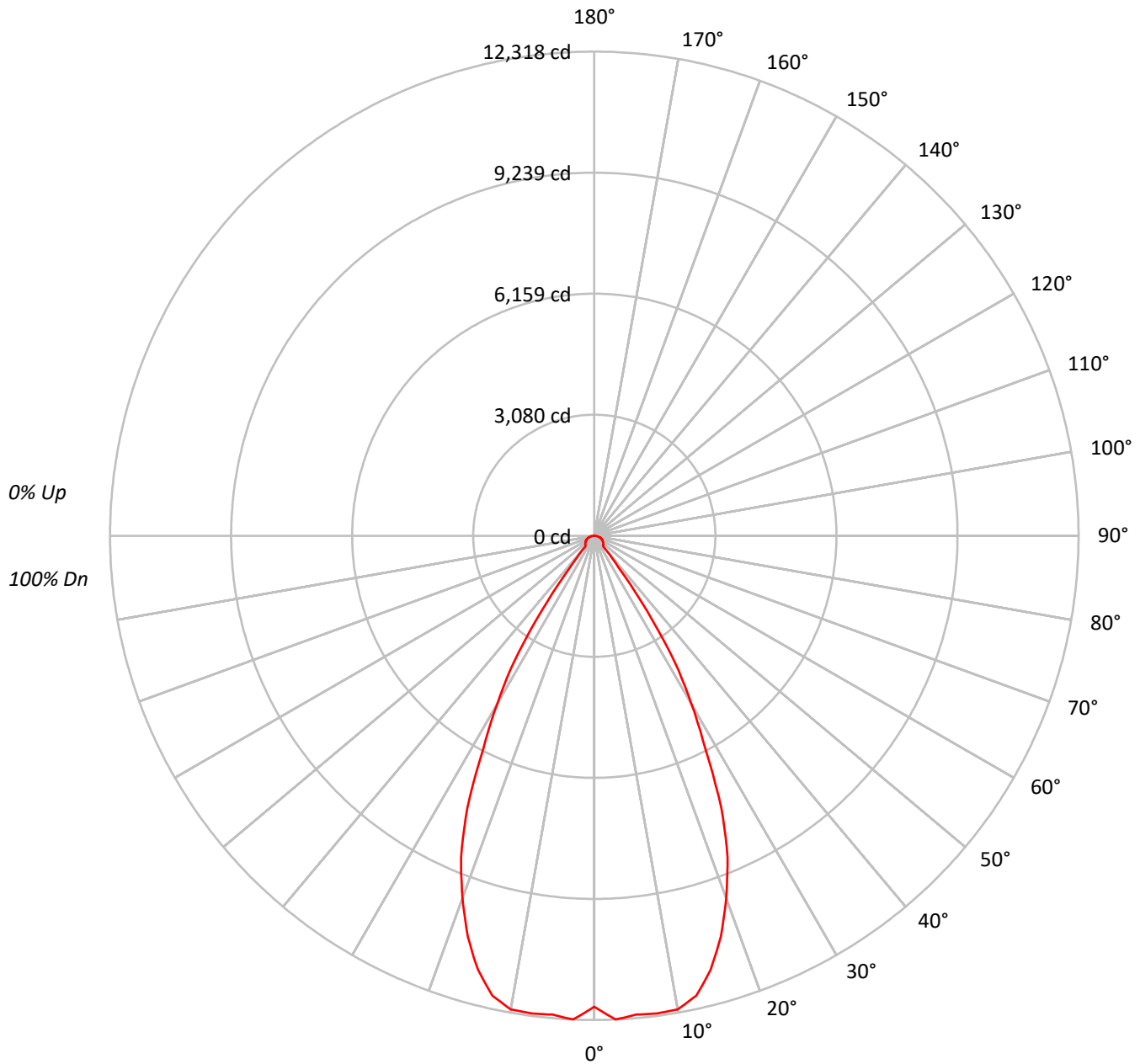


Downlight

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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1309020
5°	1341221
10°	1357417
15°	1293120
20°	1140137
25°	922168
30°	623777
35°	312569
40°	50705
45°	49631
50°	50620
55°	51375
60°	52817
65°	54008
70°	55298
75°	55935
80°	53986
85°	45005

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 55935 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1168.8	11.6
10°-20°	3162.1	31.3
20°-30°	3402.2	33.7
30°-40°	1478.9	14.7
40°-50°	248.4	2.5
50°-60°	241.5	2.4
60°-70°	206.6	2.0
70°-80°	138.2	1.4
80°-90°	41.4	0.4
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°	7733.1	76.7
0°-40°	9211.9	91.3
0°-60°	9701.8	96.2
0°-90°	10088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10088.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11981	
5°	12229	###
15°	11432	3162
25°	7649	3402
35°	2343	1479
45°	321	248
55°	270	242
65°	209	207
75°	132	138
85°	36	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11980.7
2.5°	12317.5
5°	12228.7
7.5°	12256.7
10°	12234.9
12.5°	11982.3
15°	11431.9
17.5°	10692.9
20°	9805.7
22.5°	8856.1
25°	7649.3
27.5°	6118.2
30°	4944.2
32.5°	3810.6
35°	2343.4
37.5°	1002.6
40°	355.5
42.5°	327.4
45°	321.2
47.5°	310.3
50°	297.8
52.5°	283.8
55°	269.7
57.5°	255.7
60°	241.7
62.5°	226.1
65°	208.9
67.5°	191.8
70°	173.1
72.5°	152.8
75°	132.5
77.5°	109.1
80°	85.8
82.5°	60.8
85°	35.9
87.5°	12.5
90°	0.0



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— 0°-180°







(END OF REPORT)