

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: P774824

Luminaire Tested: LD6D95BD010-EU6DR7070959030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774824
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: LD6D95BD010-EU6DR7070959030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11850.0 lumens
Efficiency: N/A
Efficacy: 119.5 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): 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

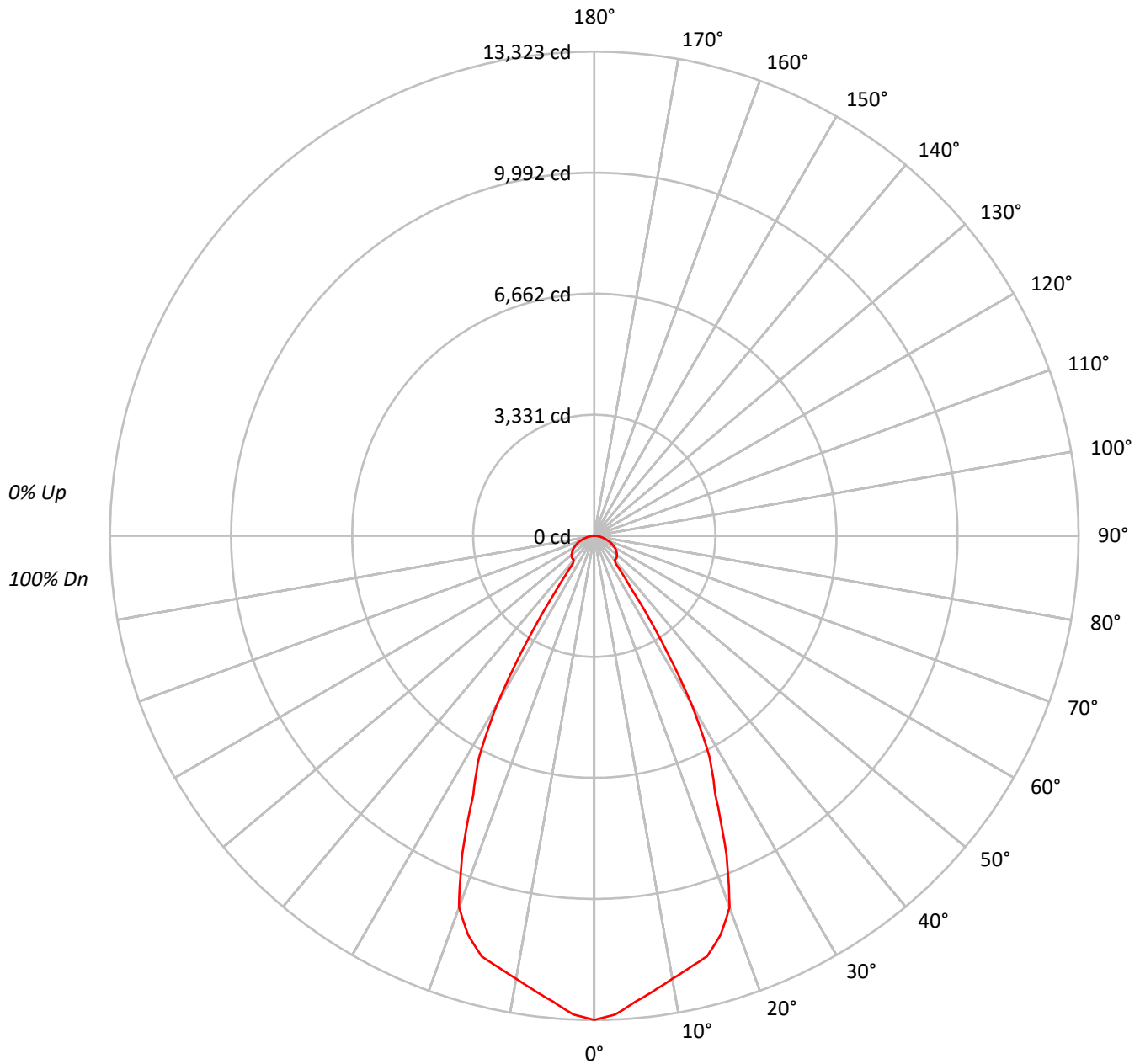


Downlight

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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	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°	1455659
5°	1412402
10°	1373038
15°	1355017
20°	1265316
25°	950559
30°	671972
35°	238022
40°	125158
45°	133303
50°	138040
55°	140639
60°	141515
65°	138522
70°	130722
75°	121115
80°	107532
85°	87252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 141553 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1214.6	10.3
10°-20°	3331.7	28.1
20°-30°	3669.4	31.0
30°-40°	1402.0	11.8
40°-50°	662.0	5.6
50°-60°	658.1	5.6
60°-70°	526.9	4.4
70°-80°	302.8	2.6
80°-90°	82.3	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°	8215.8	69.3
0°-40°	9617.8	81.2
0°-60°	10937.9	92.3
0°-90°	11850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11850.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13323	
5°	12878	###
15°	11979	3332
25°	7885	3669
35°	1784	1402
45°	863	662
55°	738	658
65°	536	527
75°	287	303
85°	70	82
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13322.8
2.5°	13183.6
5°	12877.7
7.5°	12622.5
10°	12375.7
12.5°	12166.9
15°	11979.1
17.5°	11525.6
20°	10882.3
22.5°	9494.3
25°	7884.8
27.5°	6863.9
30°	5326.2
32.5°	3440.4
35°	1784.5
37.5°	964.0
40°	877.5
42.5°	871.2
45°	862.7
47.5°	843.7
50°	812.1
52.5°	776.2
55°	738.3
57.5°	696.1
60°	647.6
62.5°	592.7
65°	535.8
67.5°	472.5
70°	409.2
72.5°	345.9
75°	286.9
77.5°	225.7
80°	170.9
82.5°	120.2
85°	69.6
87.5°	27.4
90°	0.0



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— 0°-180°







(END OF REPORT)