

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: P774837

Luminaire Tested: LD6D95BD010-EU6DR7070959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774837
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-EU6DR7070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11974.8 lumens
Efficiency: N/A
Efficacy: 120.7 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 (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

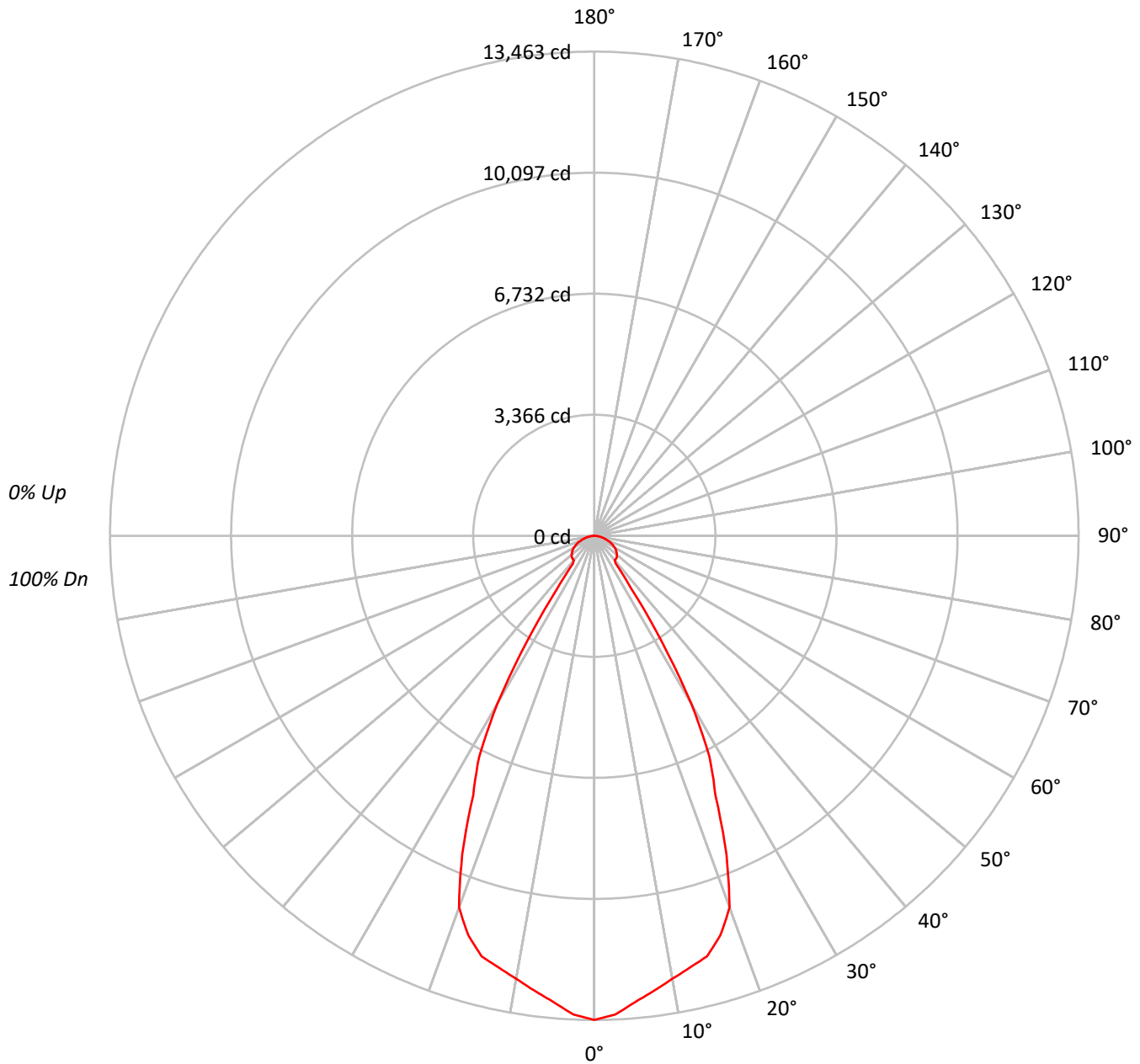


Downlight

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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	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°	1470988
5°	1427285
10°	1387505
15°	1369292
20°	1278641
25°	960577
30°	679050
35°	240529
40°	126470
45°	134709
50°	139502
55°	142125
60°	143000
65°	139970
70°	132096
75°	122382
80°	108664
85°	88130

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 143038 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1227.4	10.3
10°-20°	3366.8	28.1
20°-30°	3708.1	31.0
30°-40°	1416.7	11.8
40°-50°	668.9	5.6
50°-60°	665.1	5.6
60°-70°	532.5	4.4
70°-80°	306.0	2.6
80°-90°	83.2	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°	8302.3	69.3
0°-40°	9719.1	81.2
0°-60°	11053.1	92.3
0°-90°	11974.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11974.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13463	
5°	13013	###
15°	12105	3367
25°	7968	3708
35°	1803	1417
45°	872	669
55°	746	665
65°	541	532
75°	290	306
85°	70	83
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13463.1
2.5°	13322.5
5°	13013.4
7.5°	12755.5
10°	12506.1
12.5°	12295.0
15°	12105.3
17.5°	11647.0
20°	10996.9
22.5°	9594.3
25°	7967.9
27.5°	6936.2
30°	5382.3
32.5°	3476.6
35°	1803.3
37.5°	974.1
40°	886.7
42.5°	880.3
45°	871.8
47.5°	852.6
50°	820.7
52.5°	784.4
55°	746.1
57.5°	703.4
60°	654.4
62.5°	599.0
65°	541.4
67.5°	477.5
70°	413.5
72.5°	349.6
75°	289.9
77.5°	228.1
80°	172.7
82.5°	121.5
85°	70.3
87.5°	27.7
90°	0.0



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— 0°-180°







(END OF REPORT)