

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: P774862

Luminaire Tested: LD6D95BD010-EU6DR7070959050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774862
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-EU6DR7070959050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12023.1 lumens
Efficiency: N/A
Efficacy: 121.2 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

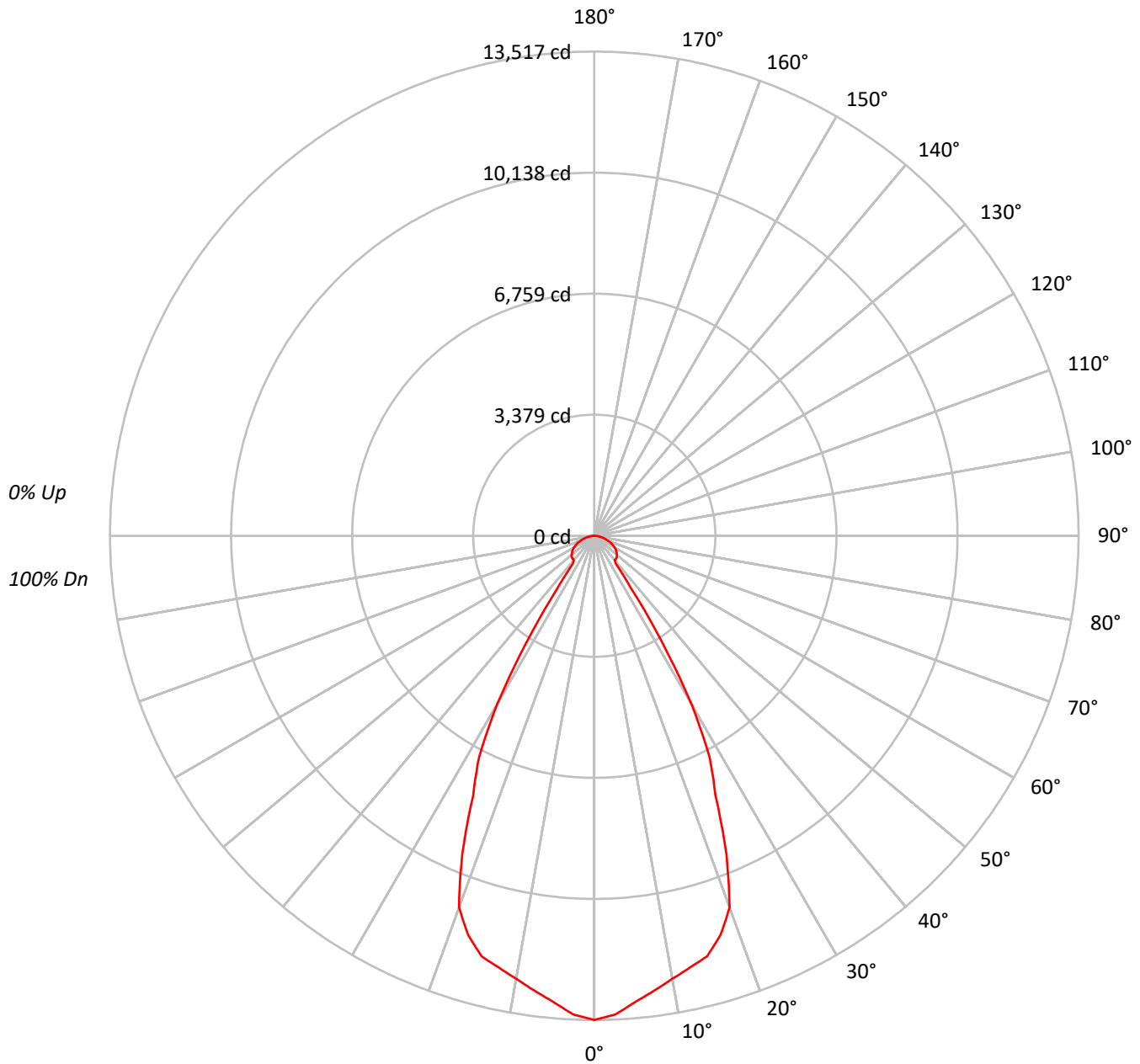


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1476921
5°	1433032
10°	1393086
15°	1374812
20°	1283792
25°	964447
30°	681787
35°	241503
40°	126983
45°	135250
50°	140063
55°	142696
60°	143569
65°	140539
70°	132639
75°	122888
80°	109105
85°	88506

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 143627 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1232.4	10.3
10°-20°	3380.4	28.1
20°-30°	3723.0	31.0
30°-40°	1422.5	11.8
40°-50°	671.7	5.6
50°-60°	667.8	5.6
60°-70°	534.6	4.4
70°-80°	307.3	2.6
80°-90°	83.5	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°	8335.8	69.3
0°-40°	9758.2	81.2
0°-60°	11097.7	92.3
0°-90°	12023.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12023.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13517	
5°	13066	###
15°	12154	3380
25°	8000	3723
35°	1811	1422
45°	875	672
55°	749	668
65°	544	535
75°	291	307
85°	71	84
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13517.4
2.5°	13376.1
5°	13065.8
7.5°	12806.8
10°	12556.4
12.5°	12344.5
15°	12154.1
17.5°	11693.9
20°	11041.2
22.5°	9632.9
25°	8000.0
27.5°	6964.1
30°	5404.0
32.5°	3490.6
35°	1810.6
37.5°	978.1
40°	890.3
42.5°	883.9
45°	875.3
47.5°	856.1
50°	824.0
52.5°	787.6
55°	749.1
57.5°	706.3
60°	657.0
62.5°	601.4
65°	543.6
67.5°	479.4
70°	415.2
72.5°	351.0
75°	291.1
77.5°	229.0
80°	173.4
82.5°	122.0
85°	70.6
87.5°	27.8
90°	0.0



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— 0°-180°







(END OF REPORT)