

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: P774798

Luminaire Tested: LD6D95BD010-EU6DR7070959024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774798
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-EU6DR7070959024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10154.1 lumens
Efficiency: N/A
Efficacy: 102.4 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

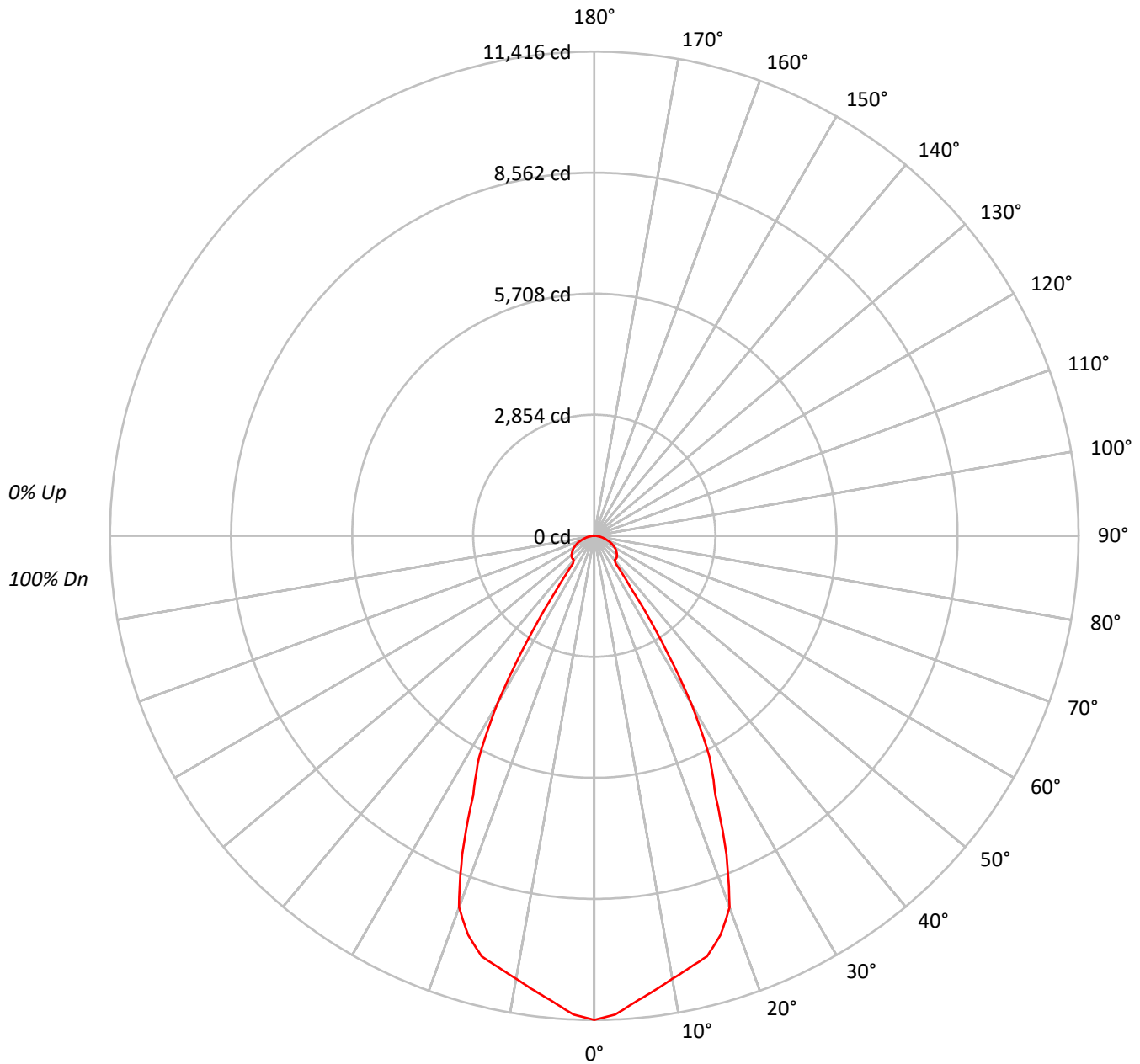


Downlight

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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°	1247343
5°	1210276
10°	1176541
15°	1161103
20°	1084233
25°	814524
30°	575797
35°	203956
40°	107243
45°	114235
50°	118289
55°	120504
60°	121258
65°	118692
70°	112034
75°	103765
80°	92116
85°	74716

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 121299 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1040.8	10.3
10°-20°	2854.9	28.1
20°-30°	3144.3	31.0
30°-40°	1201.3	11.8
40°-50°	567.3	5.6
50°-60°	563.9	5.6
60°-70°	451.5	4.4
70°-80°	259.5	2.6
80°-90°	70.5	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°	7040.0	69.3
0°-40°	8241.4	81.2
0°-60°	9372.6	92.3
0°-90°	10154.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10154.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11416	
5°	11035	###
15°	10265	2855
25°	6756	3144
35°	1529	1201
45°	739	567
55°	633	564
65°	459	452
75°	246	259
85°	60	71
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11416.2
2.5°	11296.9
5°	11034.8
7.5°	10816.1
10°	10604.6
12.5°	10425.7
15°	10264.8
17.5°	9876.2
20°	9324.9
22.5°	8135.6
25°	6756.4
27.5°	5881.6
30°	4563.9
32.5°	2948.0
35°	1529.1
37.5°	826.0
40°	751.9
42.5°	746.5
45°	739.3
47.5°	723.0
50°	695.9
52.5°	665.2
55°	632.6
57.5°	596.5
60°	554.9
62.5°	507.9
65°	459.1
67.5°	404.9
70°	350.7
72.5°	296.4
75°	245.8
77.5°	193.4
80°	146.4
82.5°	103.0
85°	59.6
87.5°	23.5
90°	0.0



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— 0°-180°







(END OF REPORT)