

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: P774864

Luminaire Tested: LD6D95BD010-EU6DR7070959050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774864
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-EU6DR7070959050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9391.1 lumens
Efficiency: N/A
Efficacy: 94.7 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 (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

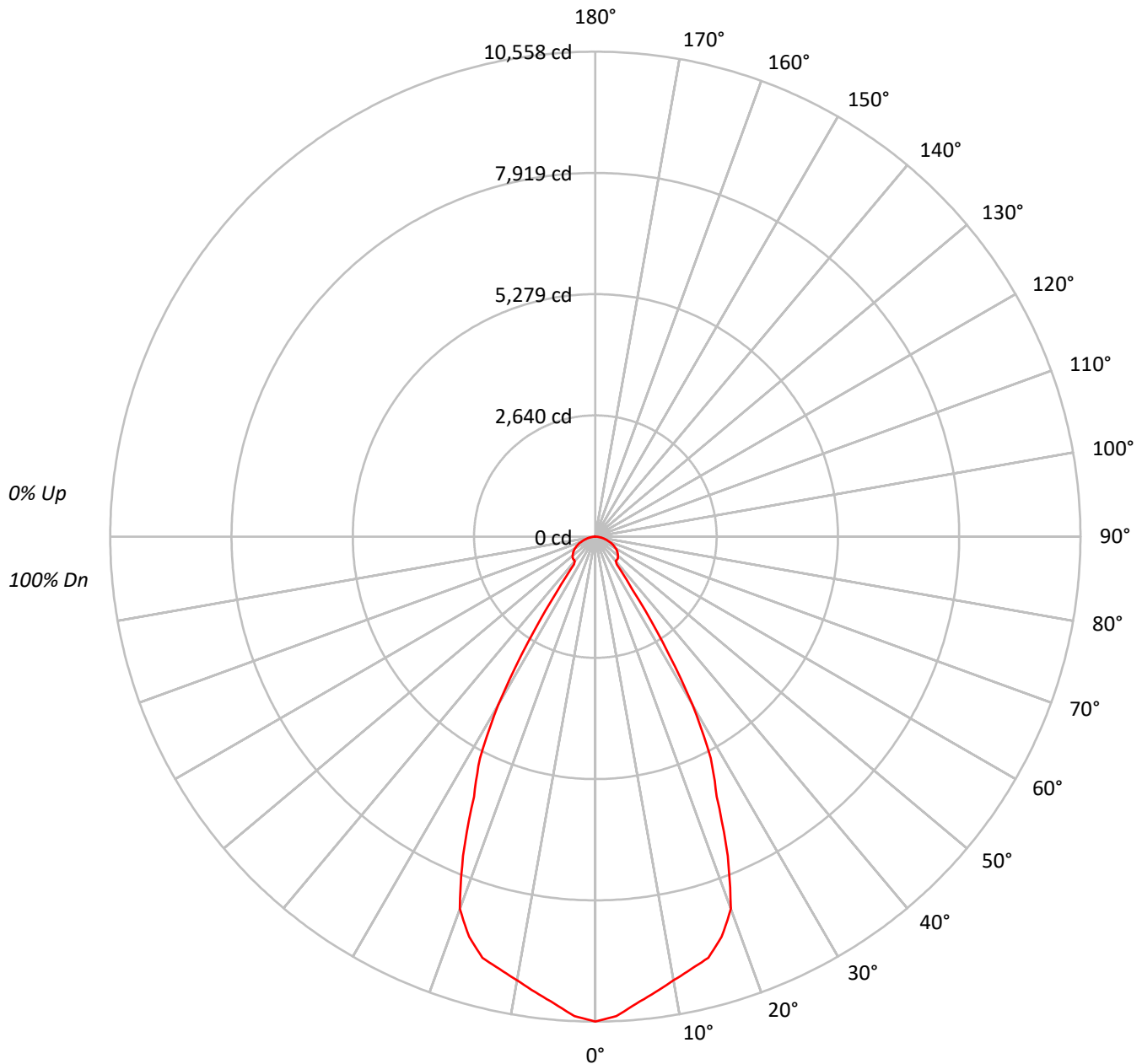


Downlight

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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°	1153608
5°	1119331
10°	1088128
15°	1073858
20°	1002760
25°	753318
30°	532536
35°	188630
40°	99185
45°	105644
50°	109399
55°	111456
60°	112145
65°	109773
70°	103600
75°	95955
80°	85195
85°	69200

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 112189 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	962.6	10.3
10°-20°	2640.4	28.1
20°-30°	2908.0	31.0
30°-40°	1111.1	11.8
40°-50°	524.6	5.6
50°-60°	521.6	5.6
60°-70°	417.6	4.4
70°-80°	240.0	2.6
80°-90°	65.3	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°	6511.0	69.3
0°-40°	7622.1	81.2
0°-60°	8668.3	92.3
0°-90°	9391.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9391.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10558	
5°	10206	963
15°	9494	2640
25°	6249	2908
35°	1414	1111
45°	684	525
55°	585	522
65°	425	418
75°	227	240
85°	55	65
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10558.3
2.5°	10448.0
5°	10205.6
7.5°	10003.3
10°	9807.7
12.5°	9642.2
15°	9493.5
17.5°	9134.1
20°	8624.2
22.5°	7524.2
25°	6248.7
27.5°	5439.6
30°	4221.0
32.5°	2726.5
35°	1414.2
37.5°	764.0
40°	695.4
42.5°	690.4
45°	683.7
47.5°	668.7
50°	643.6
52.5°	615.2
55°	585.1
57.5°	551.7
60°	513.2
62.5°	469.7
65°	424.6
67.5°	374.5
70°	324.3
72.5°	274.2
75°	227.3
77.5°	178.9
80°	135.4
82.5°	95.3
85°	55.2
87.5°	21.7
90°	0.0



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— 0°-180°







(END OF REPORT)