

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: P774787

Luminaire Tested: LD6D95BD010-EU6DR6570959050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10200.3 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

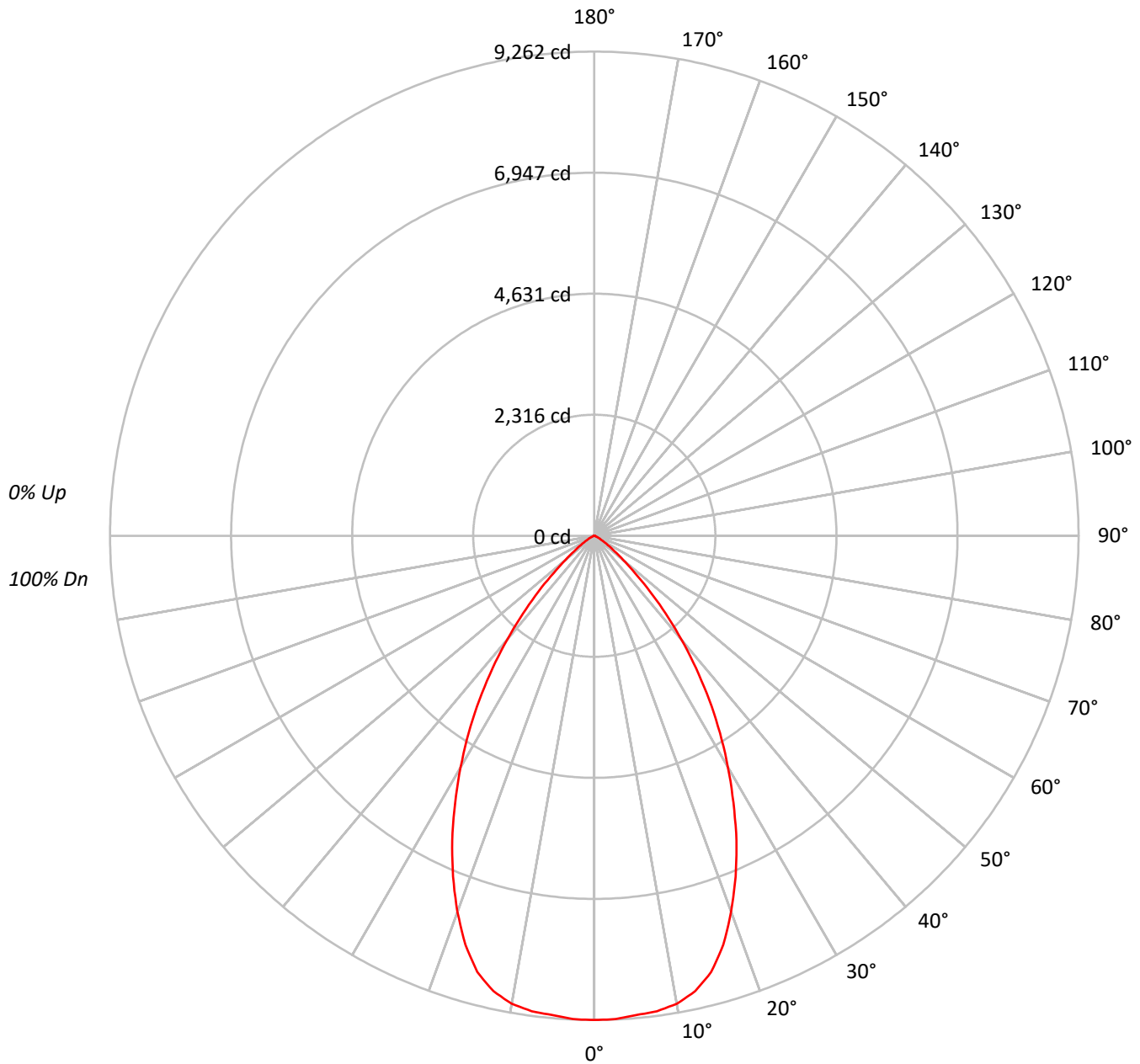


Downlight

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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	113	110	107	105		111	108	105	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	540913
5°	539550
10°	539087
15°	522471
20°	475644
25°	414494
30°	344741
35°	273157
40°	197151
45°	124554
50°	64920
55°	34508
60°	18129
65°	9964
70°	4184
75°	4603
80°	3195
85°	2747

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 124554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	875.9	8.6
10°-20°	2398.4	23.5
20°-30°	2931.7	28.7
30°-40°	2378.7	23.3
40°-50°	1185.3	11.6
50°-60°	330.6	3.2
60°-70°	75.1	0.7
70°-80°	19.5	0.2
80°-90°	5.0	0.0
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°	6206.0	60.8
0°-40°	8584.7	84.2
0°-60°	10100.6	99.0
0°-90°	10200.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10200.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9262	
5°	9203	876
15°	8641	2398
25°	6432	2932
35°	3831	2379
45°	1508	1185
55°	339	331
65°	72	75
75°	20	20
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9261.6
2.5°	9254.8
5°	9203.1
7.5°	9173.1
10°	9090.1
12.5°	8921.4
15°	8641.0
17.5°	8202.8
20°	7652.9
22.5°	7059.5
25°	6432.1
27.5°	5761.1
30°	5111.9
32.5°	4470.9
35°	3831.2
37.5°	3192.9
40°	2585.9
42.5°	2017.0
45°	1508.0
47.5°	1050.7
50°	714.5
52.5°	492.7
55°	338.9
57.5°	228.6
60°	155.2
62.5°	107.5
65°	72.1
67.5°	36.7
70°	24.5
72.5°	23.1
75°	20.4
77.5°	13.6
80°	9.5
82.5°	6.8
85°	4.1
87.5°	2.7
90°	0.0



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— 0°-180°







(END OF REPORT)