

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: P774747

Luminaire Tested: LD6D95BD010-EU6DR6570959030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8452.7 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

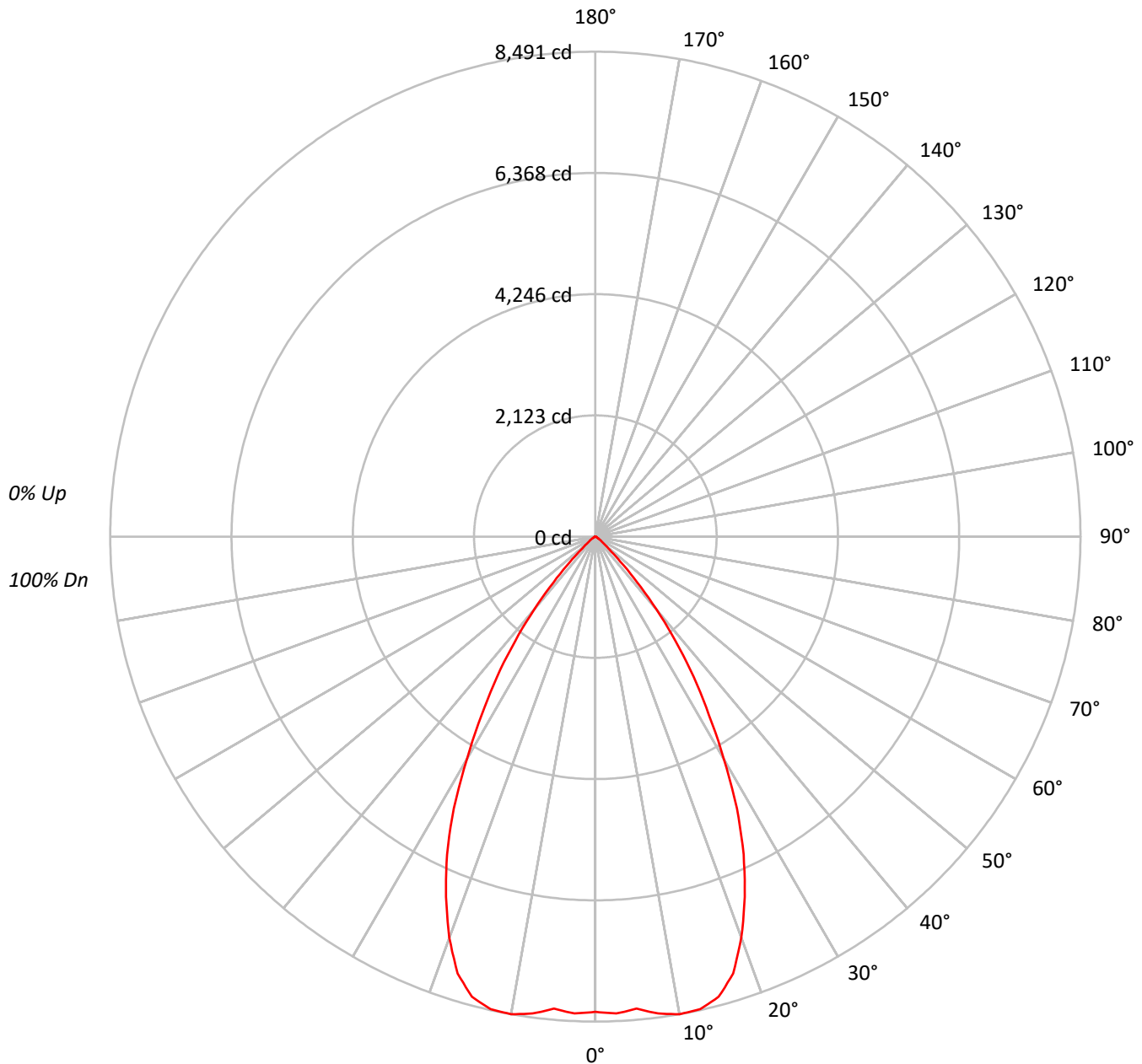


Downlight

TEST NUMBER: P774747

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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	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	909290
5°	910043
10°	942089
15°	943640
20°	868779
25°	740249
30°	566688
35°	400348
40°	236323
45°	95940
50°	34778
55°	19373
60°	11123
65°	6127
70°	6421
75°	4981
80°	5222
85°	4388

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 95940 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.4	9.5
10°-20°	2311.6	27.3
20°-30°	2773.5	32.8
30°-40°	1863.8	22.1
40°-50°	558.0	6.6
50°-60°	98.5	1.2
60°-70°	28.0	0.3
70°-80°	13.7	0.2
80°-90°	4.3	0.1
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°	5886.4	69.6
0°-40°	7750.2	91.7
0°-60°	8406.6	99.5
0°-90°	8452.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8452.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8322	
5°	8297	801
15°	8342	2312
25°	6140	2773
35°	3002	1864
45°	621	558
55°	102	98
65°	24	28
75°	12	14
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8322.2
2.5°	8357.7
5°	8297.4
7.5°	8422.8
10°	8491.4
12.5°	8474.8
15°	8342.3
17.5°	8018.3
20°	7471.9
22.5°	6828.6
25°	6140.3
27.5°	5363.3
30°	4491.7
32.5°	3701.7
35°	3001.5
37.5°	2309.7
40°	1656.9
42.5°	1082.1
45°	620.9
47.5°	328.8
50°	204.6
52.5°	141.9
55°	101.7
57.5°	73.3
60°	50.9
62.5°	33.1
65°	23.7
67.5°	21.3
70°	20.1
72.5°	15.4
75°	11.8
77.5°	10.6
80°	8.3
82.5°	5.9
85°	3.5
87.5°	2.4
90°	0.0



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— 0°-180°







(END OF REPORT)