

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: P774608

Luminaire Tested: LD6D95BD010-EU6DR5570959035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR5570959035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11554.9 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
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

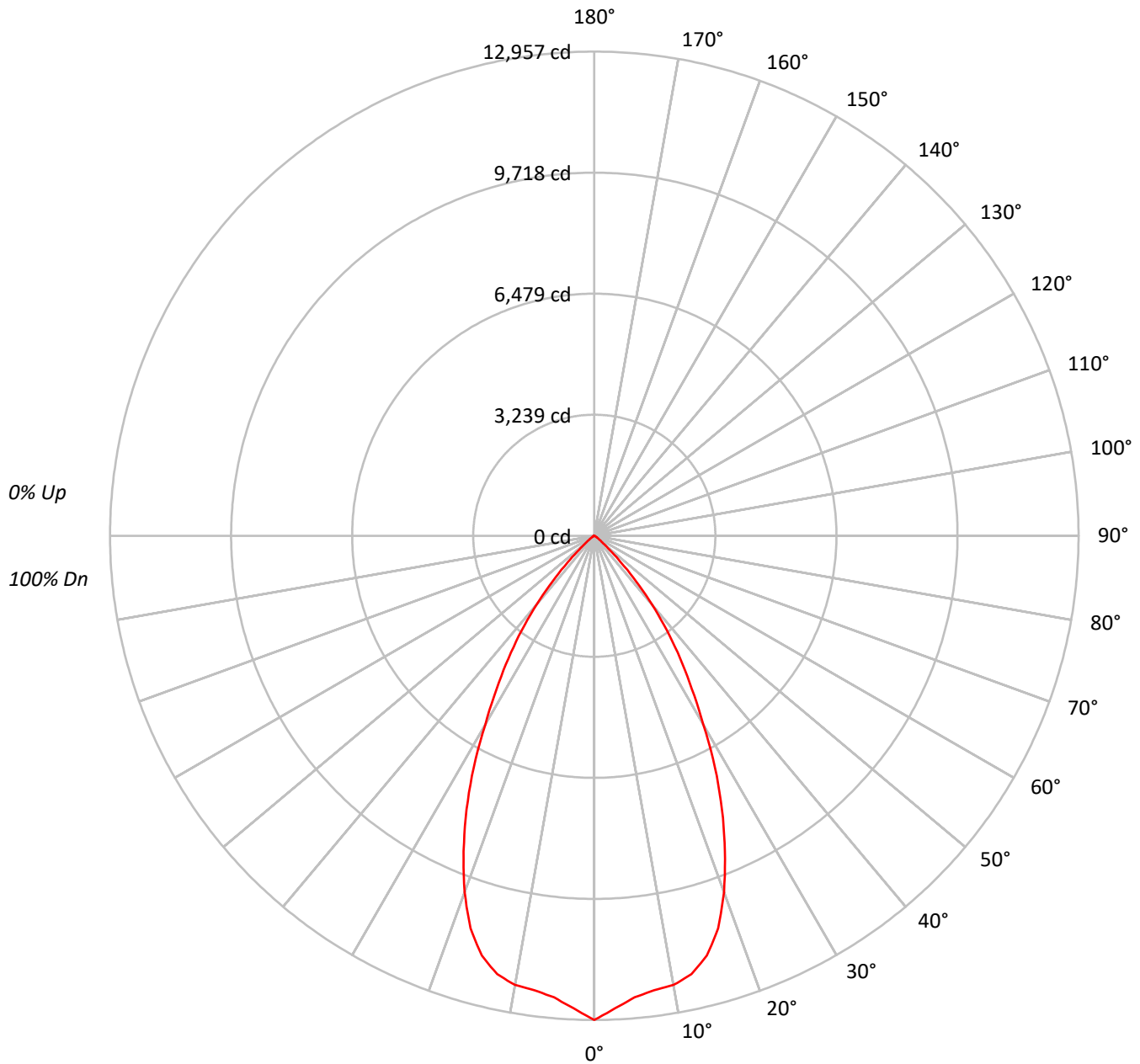


Downlight

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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	114	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	95		98	95	92		95	93	90		92	90	89
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80		95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74		91	83	77	73		81	76	73		79	75	72		78	74	71
6	88	79	73	68		86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	64		82	73	67	63		72	67	63		71	66	63		70	65	62
8	79	69	63	59		78	69	63	59		68	63	59		67	62	59		66	62	58
9	75	66	60	56		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		61	56	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1415692
5°	1359471
10°	1354343
15°	1315438
20°	1179484
25°	974779
30°	736328
35°	533891
40°	341670
45°	156048
50°	51028
55°	22021
60°	9484
65°	1241
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 156048 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1179.5	10.2
10°-20°	3219.0	27.9
20°-30°	3668.3	31.7
30°-40°	2497.2	21.6
40°-50°	860.5	7.4
50°-60°	119.0	1.0
60°-70°	11.5	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	8066.7	69.8
0°-40°	10564.0	91.4
0°-60°	11543.4	99.9
0°-90°	11554.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11554.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12957	
5°	12395	###
15°	11629	3219
25°	8086	3668
35°	4003	2497
45°	1010	861
55°	116	119
65°	5	12
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12957.0
2.5°	12660.0
5°	12395.1
7.5°	12265.0
10°	12207.2
12.5°	12014.6
15°	11629.2
17.5°	11017.5
20°	10144.1
22.5°	9135.7
25°	8085.7
27.5°	6992.3
30°	5836.3
32.5°	4856.9
35°	4002.7
37.5°	3190.3
40°	2395.5
42.5°	1660.2
45°	1009.9
47.5°	544.3
50°	300.2
52.5°	178.2
55°	115.6
57.5°	73.9
60°	43.4
62.5°	19.3
65°	4.8
67.5°	1.6
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)