

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: P774656

Luminaire Tested: LD6D95BD010-EU6DR6070959027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774656
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6070959027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9856.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): 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

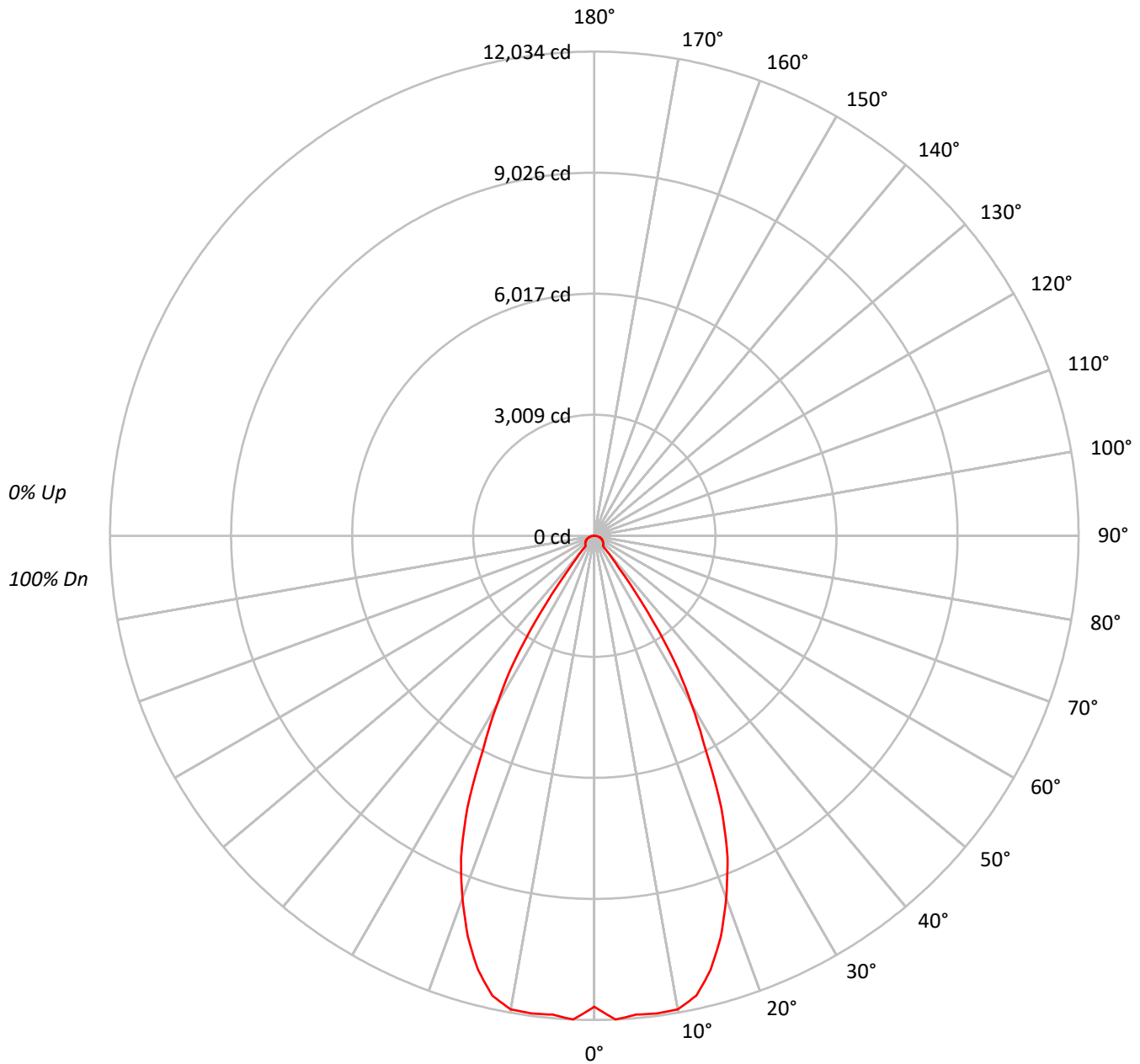


Downlight

TEST NUMBER: P774656

CATALOG NUMBER: LD6D95BD010-EU6DR6070959027-6LBDP1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1278930
5°	1310379
10°	1326207
15°	1263393
20°	1113917
25°	900975
30°	609433
35°	305393
40°	49535
45°	48488
50°	49464
55°	50194
60°	51593
65°	52767
70°	54020
75°	54669
80°	52728
85°	43877

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 54669 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1141.9	11.6
10°-20°	3089.4	31.3
20°-30°	3324.0	33.7
30°-40°	1444.9	14.7
40°-50°	242.7	2.5
50°-60°	235.9	2.4
60°-70°	201.8	2.0
70°-80°	135.0	1.4
80°-90°	40.4	0.4
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°	7555.3	76.7
0°-40°	9000.1	91.3
0°-60°	9478.7	96.2
0°-90°	9856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9856.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11705	
5°	11948	###
15°	11169	3089
25°	7474	3324
35°	2290	1445
45°	314	243
55°	264	236
65°	204	202
75°	130	135
85°	35	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11705.3
2.5°	12034.3
5°	11947.5
7.5°	11974.9
10°	11953.6
12.5°	11706.8
15°	11169.1
17.5°	10447.0
20°	9580.2
22.5°	8652.5
25°	7473.5
27.5°	5977.5
30°	4830.5
32.5°	3723.0
35°	2289.6
37.5°	979.5
40°	347.3
42.5°	319.9
45°	313.8
47.5°	303.1
50°	291.0
52.5°	277.2
55°	263.5
57.5°	249.8
60°	236.1
62.5°	220.9
65°	204.1
67.5°	187.4
70°	169.1
72.5°	149.3
75°	129.5
77.5°	106.6
80°	83.8
82.5°	59.4
85°	35.0
87.5°	12.2
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)