

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: P774682

Luminaire Tested: LD6D95BD010-EU6DR6070959035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774682
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-EU6DR6070959035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10260.8 lumens
Efficiency: N/A
Efficacy: 103.4 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

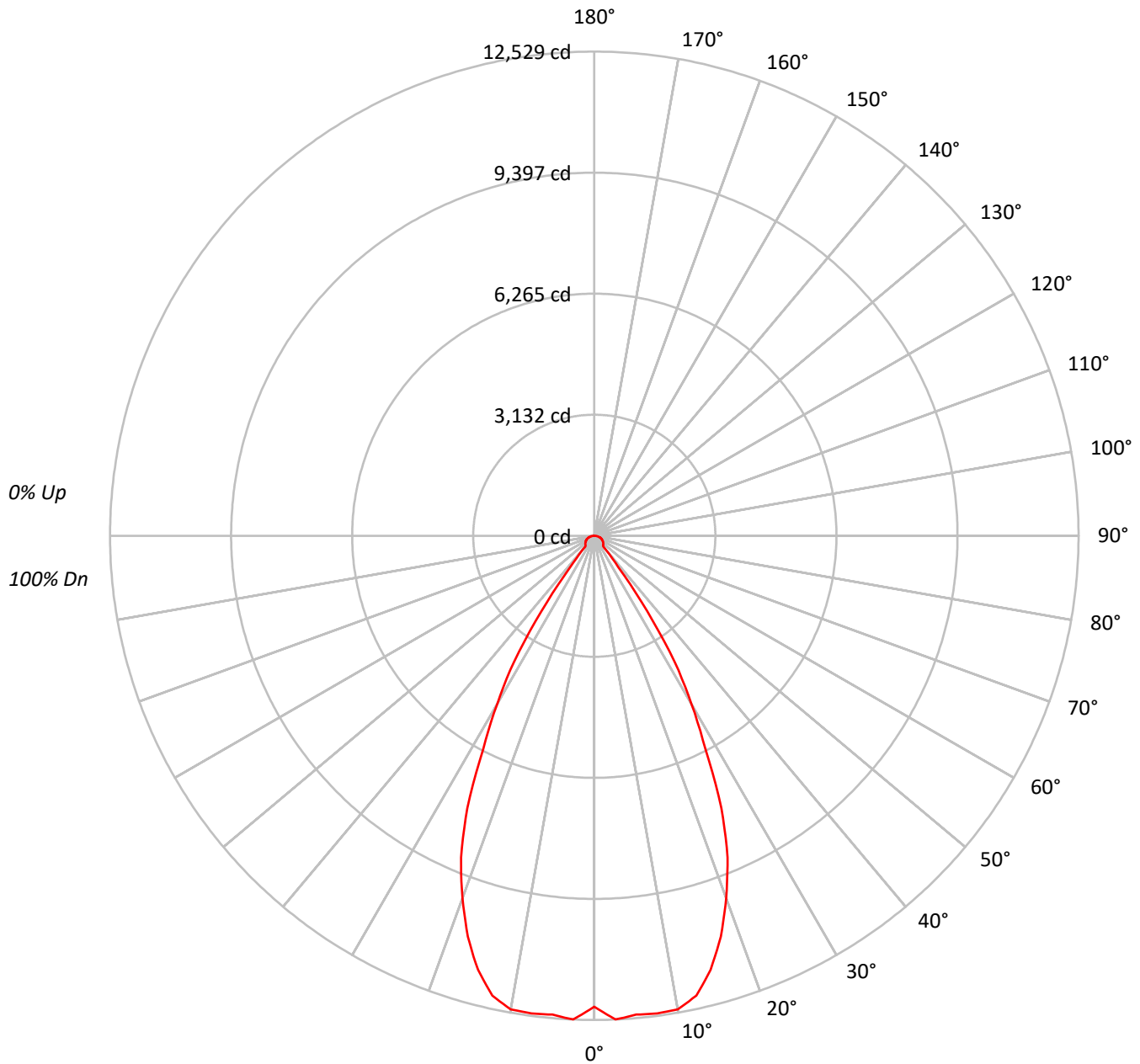


Downlight

TEST NUMBER: P774682

CATALOG NUMBER: LD6D95BD010-EU6DR6070959035-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P774682

CATALOG NUMBER: LD6D95BD010-EU6DR6070959035-6LBDP1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1331452
5°	1364198
10°	1380671
15°	1315279
20°	1159671
25°	937973
30°	634463
35°	317931
40°	51575
45°	50481
50°	51487
55°	52271
60°	53713
65°	54938
70°	56224
75°	56906
80°	54867
85°	45757

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 56906 cd/sqm

TEST NUMBER: P774682

CATALOG NUMBER: LD6D95BD010-EU6DR6070959035-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1188.8	11.6
10°-20°	3216.3	31.3
20°-30°	3460.5	33.7
30°-40°	1504.2	14.7
40°-50°	252.6	2.5
50°-60°	245.7	2.4
60°-70°	210.1	2.0
70°-80°	140.6	1.4
80°-90°	42.0	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°	7865.6	76.7
0°-40°	9369.8	91.3
0°-60°	9868.1	96.2
0°-90°	10260.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10260.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12186	
5°	12438	###
15°	11628	3216
25°	7780	3460
35°	2384	1504
45°	327	253
55°	274	246
65°	212	210
75°	135	141
85°	36	42
90°	0	



TEST NUMBER: P774682

CATALOG NUMBER: LD6D95BD010-EU6DR6070959035-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	12186.0
2.5°	12528.6
5°	12438.2
7.5°	12466.7
10°	12444.5
12.5°	12187.6
15°	11627.8
17.5°	10876.1
20°	9973.7
22.5°	9007.9
25°	7780.4
27.5°	6223.1
30°	5028.9
32.5°	3875.9
35°	2383.6
37.5°	1019.7
40°	361.6
42.5°	333.0
45°	326.7
47.5°	315.6
50°	302.9
52.5°	288.6
55°	274.4
57.5°	260.1
60°	245.8
62.5°	230.0
65°	212.5
67.5°	195.1
70°	176.0
72.5°	155.4
75°	134.8
77.5°	111.0
80°	87.2
82.5°	61.8
85°	36.5
87.5°	12.7
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)