Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P761490

Luminaire Tested: LD6D15D010-EU6DR500215IC9027-6LBDP1MW

Issue Date: 2/2/2024

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P761490
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	2/2/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LD6D15D010-EU6DR500215IC9027-6LBDP1MW
Description:	6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 50° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1334.5 lumens
Efficiency:	N/A
Efficacy:	84.5 lumens/watt
Spacing Criteria (0/90/45):	0.8 / 0.8 / 0.73
Luminous Opening:	Circular (Dia: 0.35' x H: 0')
CIE Type:	Direct

Input Watts (W):	15.8
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

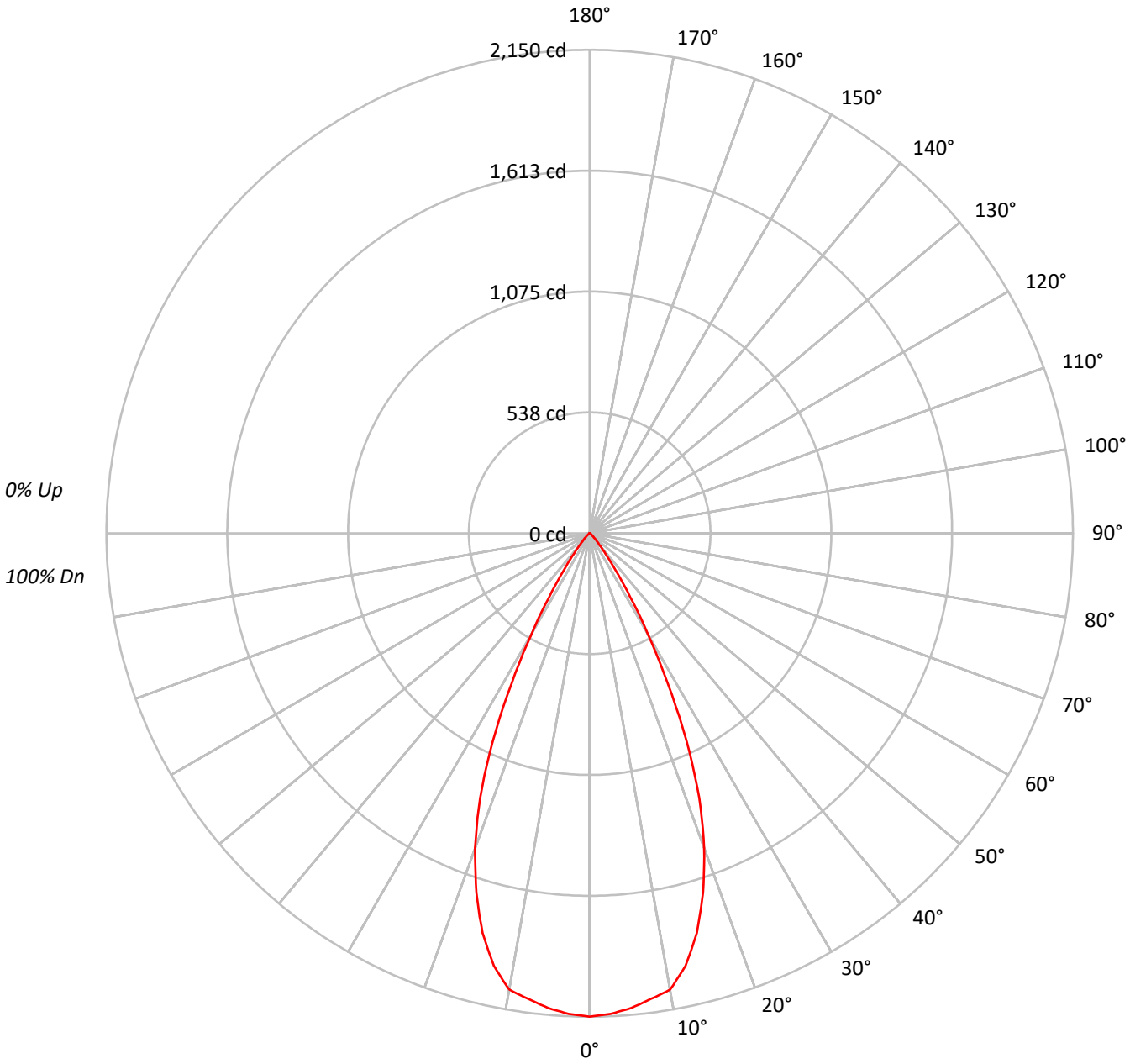
Downlight

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P761490
CATALOG NUMBER: LD6D15D010-EU6DR500215IC9027-6LBDP1MW

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P761490
CATALOG NUMBER: LD6D15D010-EU6DR500215IC9027-6LBDP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	234932
5°	232463
10°	228638
15°	208188
20°	173247
25°	122979
30°	65088
35°	26530
40°	9841
45°	4512
50°	1853
55°	972
60°	481
65°	129
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4512 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P761490
CATALOG NUMBER: LD6D15D010-EU6DR500215IC9027-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.3	15.0
10°-20°	506.3	37.9
20°-30°	454.8	34.1
30°-40°	142.4	10.7
40°-50°	24.9	1.9
50°-60°	5.0	0.4
60°-70°	0.8	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°	1161.4	87.0
0°-40°	1303.8	97.7
0°-60°	1333.7	99.9
0°-90°	1334.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1334.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2150	
5°	2120	200
15°	1840	506
25°	1020	455
35°	199	142
45°	29	25
55°	5	5
65°	0	1
75°	0	0
85°	0	0
90°	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P761490
CATALOG NUMBER: LD6D15D010-EU6DR500215IC9027-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2150.2
2.5°	2139.5
5°	2119.5
7.5°	2089.1
10°	2060.8
12.5°	1970.1
15°	1840.5
17.5°	1675.9
20°	1490.0
22.5°	1274.8
25°	1020.1
27.5°	749.9
30°	515.9
32.5°	335.9
35°	198.9
37.5°	114.2
40°	69.0
42.5°	45.0
45°	29.2
47.5°	17.8
50°	10.9
52.5°	7.4
55°	5.1
57.5°	3.4
60°	2.2
62.5°	1.3
65°	0.5
67.5°	0.2
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

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Report Generated By 670245859 / DESKTOP-T8S5UU9

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

0°-180°

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

(END OF REPORT)