

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: P761416

Luminaire Tested: LD6D15D010-EU6DR450215IC9027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR450215IC9027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

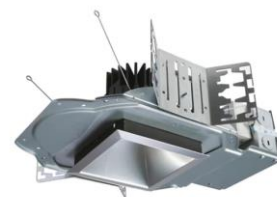
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1458.1 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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



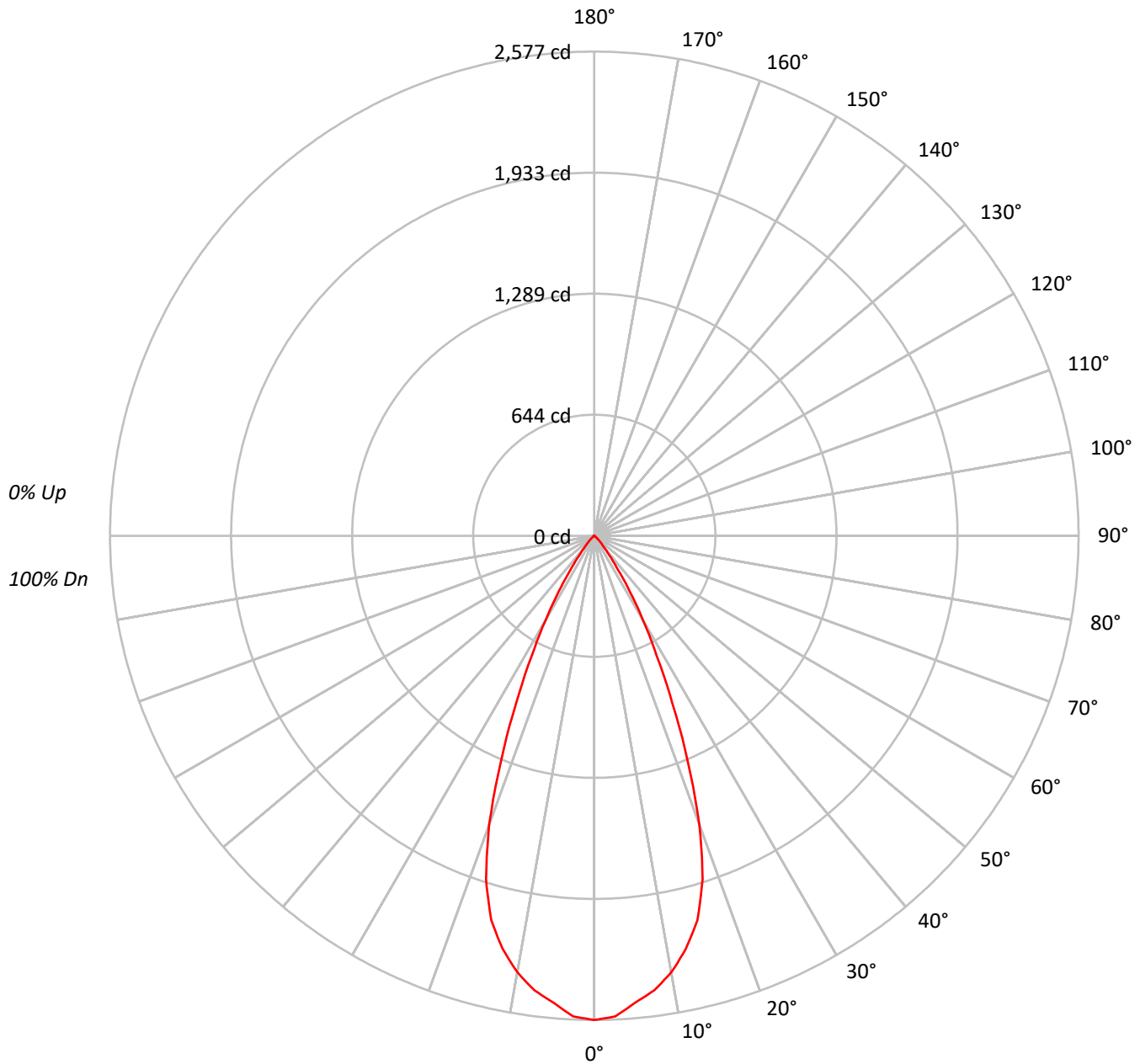
Downlight



TEST NUMBER: P761416

CATALOG NUMBER: LD6D15D010-EU6DR450215IC9027-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P761416

CATALOG NUMBER: LD6D15D010-EU6DR450215IC9027-6LBS1H

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	112	110	108		112	110	108	106		106	104	103		102	101	100		98	98	97
2	109	105	102	99		107	103	100	98		100	98	95		97	95	93		95	93	91
3	105	99	95	91		103	98	94	91		95	92	89		93	90	88		91	89	87
4	100	94	89	85		99	93	88	85		91	87	84		89	86	83		87	84	82
5	96	89	84	80		95	88	83	80		86	82	79		85	81	79		83	80	78
6	92	85	80	76		91	84	79	76		83	78	75		81	77	75		80	77	74
7	89	81	75	72		87	80	75	72		79	74	71		78	74	71		77	73	71
8	85	77	72	68		84	76	71	68		75	71	68		74	70	67		73	70	67
9	82	73	68	65		81	73	68	65		72	68	65		71	67	64		71	67	64
10	79	70	65	62		78	70	65	62		69	65	62		68	64	61		68	64	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	281609
5°	273592
10°	261744
15°	239555
20°	190048
25°	118651
30°	65391
35°	29358
40°	11567
45°	5454
50°	2584
55°	1352
60°	656
65°	155
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5454 cd/sqm



TEST NUMBER: P761416

CATALOG NUMBER: LD6D15D010-EU6DR450215IC9027-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.4	16.1
10°-20°	576.8	39.6
20°-30°	456.8	31.3
30°-40°	152.1	10.4
40°-50°	30.2	2.1
50°-60°	6.8	0.5
60°-70°	1.0	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°	1268.0	87.0
0°-40°	1420.1	97.4
0°-60°	1457.1	99.9
0°-90°	1458.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1458.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2577	
5°	2494	234
15°	2118	577
25°	984	457
35°	220	152
45°	35	30
55°	7	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P761416

CATALOG NUMBER: LD6D15D010-EU6DR450215IC9027-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	2577.4
2.5°	2560.6
5°	2494.5
7.5°	2440.0
10°	2359.2
12.5°	2251.8
15°	2117.8
17.5°	1916.3
20°	1634.5
22.5°	1298.8
25°	984.2
27.5°	720.7
30°	518.3
32.5°	352.5
35°	220.1
37.5°	130.6
40°	81.1
42.5°	53.3
45°	35.3
47.5°	22.7
50°	15.2
52.5°	10.1
55°	7.1
57.5°	4.6
60°	3.0
62.5°	1.6
65°	0.6
67.5°	0.2
70°	0.2
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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)