

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: P761316

Luminaire Tested: LD6D15D010-EU6DR350215IC9050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR350215IC9050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1431.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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



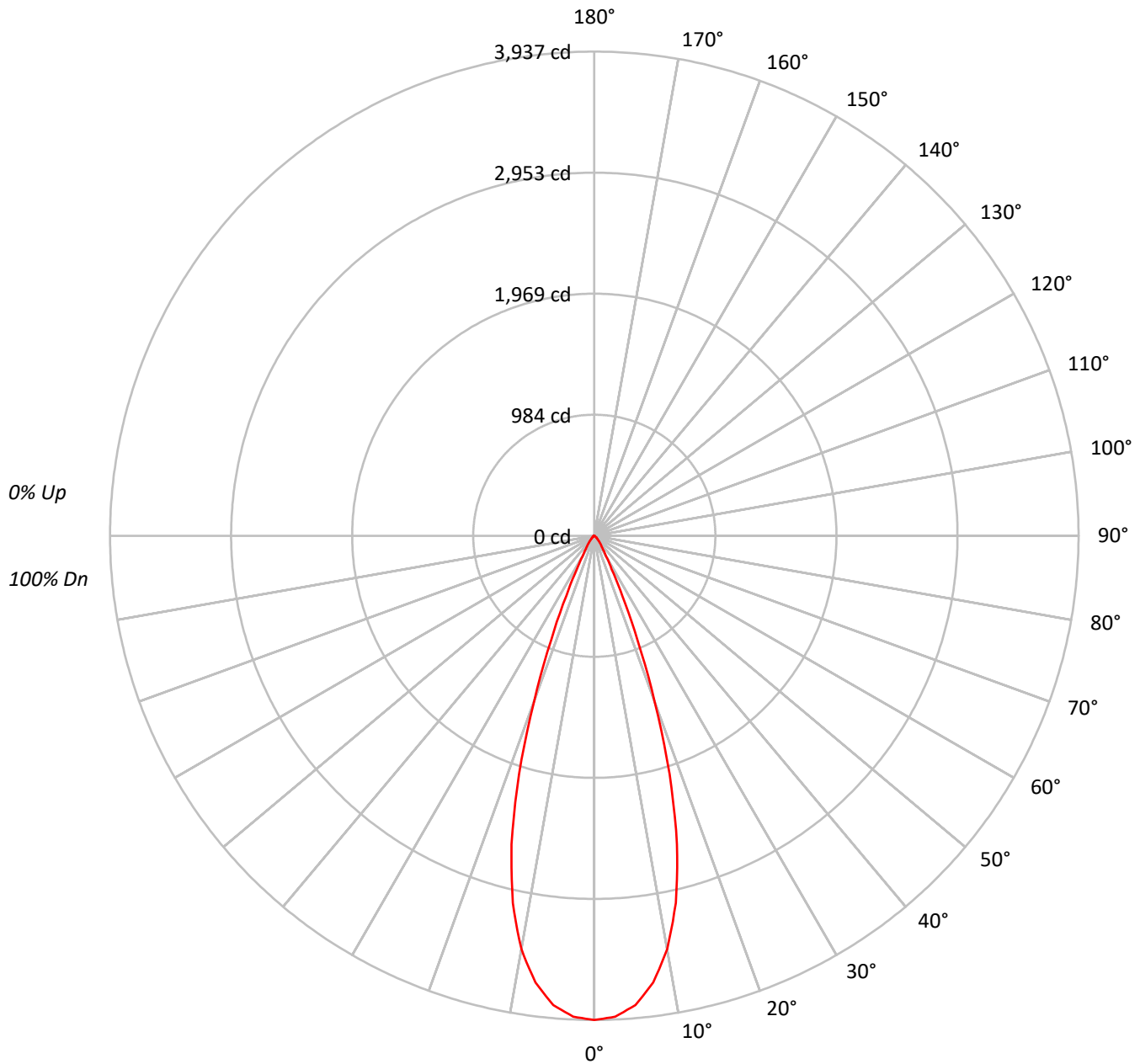
Downlight



TEST NUMBER: P761316

CATALOG NUMBER: LD6D15D010-EU6DR350215IC9050-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P761316

CATALOG NUMBER: LD6D15D010-EU6DR350215IC9050-6LBS1MW

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96		
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92		
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88		
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84		
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81		
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78		
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75		
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72		
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70		
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	430203
5°	420089
10°	378615
15°	293862
20°	166677
25°	64847
30°	24198
35°	13258
40°	8672
45°	5269
50°	3366
55°	2362
60°	1748
65°	957
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5269 cd/sqm



TEST NUMBER: P761316

CATALOG NUMBER: LD6D15D010-EU6DR350215IC9050-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.3	24.6
10°-20°	687.8	48.1
20°-30°	280.5	19.6
30°-40°	67.1	4.7
40°-50°	28.0	2.0
50°-60°	11.6	0.8
60°-70°	3.6	0.3
70°-80°	0.1	0.0
80°-90°	0.1	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°	1320.6	92.3
0°-40°	1387.7	97.0
0°-60°	1427.3	99.7
0°-90°	1431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1431.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3937	
5°	3830	352
15°	2598	688
25°	538	281
35°	99	67
45°	34	28
55°	12	12
65°	4	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P761316

CATALOG NUMBER: LD6D15D010-EU6DR350215IC9050-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3937.4
2.5°	3913.8
5°	3830.2
7.5°	3663.6
10°	3412.6
12.5°	3059.2
15°	2597.9
17.5°	2033.9
20°	1433.5
22.5°	914.1
25°	537.9
27.5°	304.1
30°	191.8
32.5°	134.6
35°	99.4
37.5°	76.9
40°	60.8
42.5°	46.8
45°	34.1
47.5°	25.6
50°	19.8
52.5°	15.7
55°	12.4
57.5°	10.1
60°	8.0
62.5°	5.8
65°	3.7
67.5°	1.3
70°	0.2
72.5°	0.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)