

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: P788074

Luminaire Tested: LER6D05D010-EC6DR650210IC9050-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788074  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D05D010-EC6DR650210IC9050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

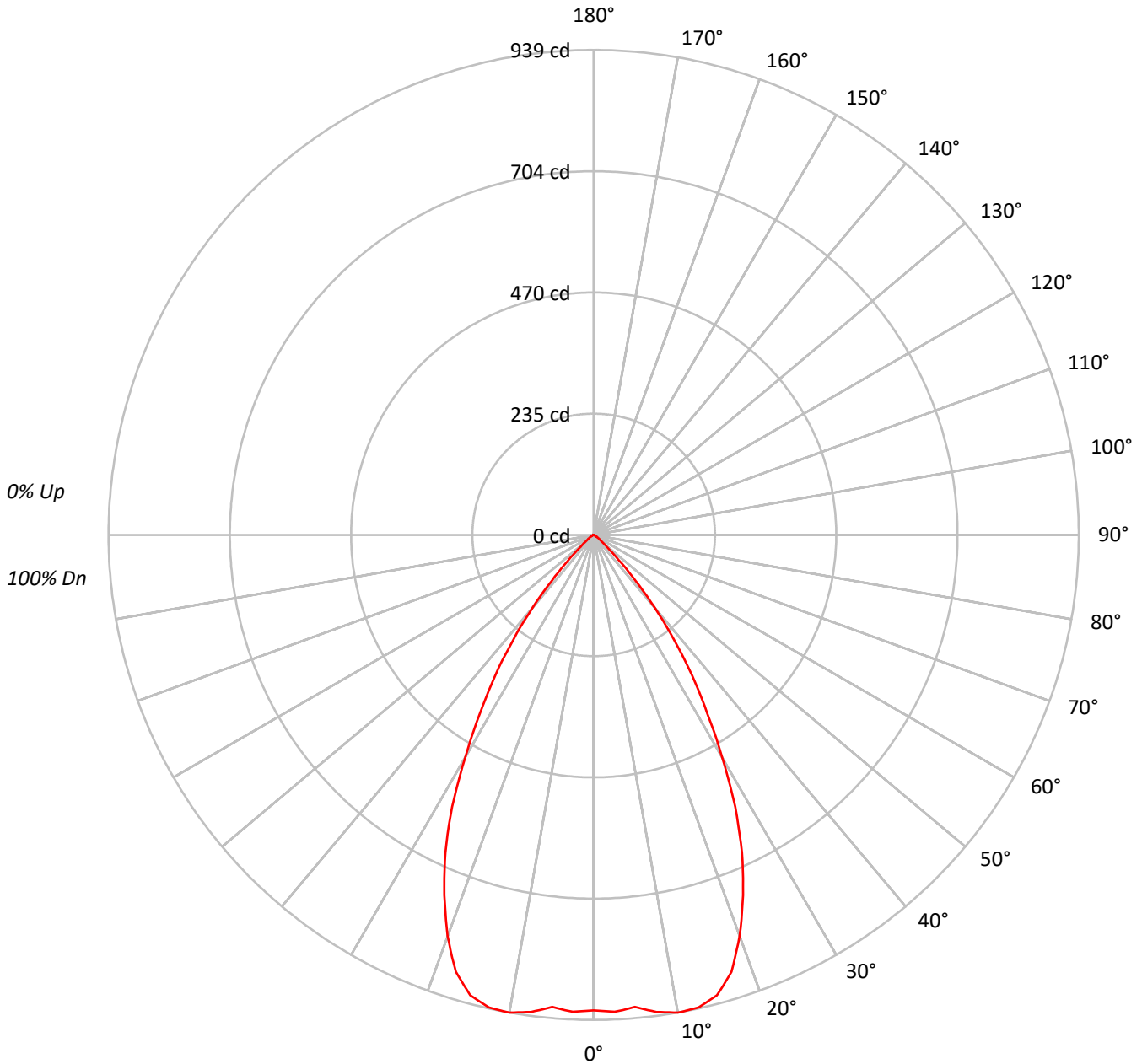
Lumens per Lamp: N/A  
Luminaire Lumens: 934.8 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P788074  
CATALOG NUMBER: LER6D05D010-EC6DR650210IC9050-6LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P788074

CATALOG NUMBER: LER6D05D010-EC6DR650210IC9050-6LBDP1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	100564
5°	100641
10°	104190
15°	104360
20°	96076
25°	81870
30°	62665
35°	44283
40°	26130
45°	10615
50°	3842
55°	2133
60°	1224
65°	672
70°	703
75°	549
80°	566
85°	501

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 10615 cd/sqm



TEST NUMBER: P788074

CATALOG NUMBER: LER6D05D010-EC6DR650210IC9050-6LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.6	9.5
10°-20°	255.6	27.3
20°-30°	306.7	32.8
30°-40°	206.1	22.0
40°-50°	61.7	6.6
50°-60°	10.9	1.2
60°-70°	3.1	0.3
70°-80°	1.5	0.2
80°-90°	0.5	0.1
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°	651.0	69.6
0°-40°	857.1	91.7
0°-60°	929.7	99.5
0°-90°	934.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	934.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	920	
5°	918	89
15°	923	256
25°	679	307
35°	332	206
45°	69	62
55°	11	11
65°	3	3
75°	1	2
85°	0	1
90°	0	



TEST NUMBER: P788074

CATALOG NUMBER: LER6D05D010-EC6DR650210IC9050-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	920.4
2.5°	924.3
5°	917.6
7.5°	931.5
10°	939.1
12.5°	937.3
15°	922.6
17.5°	886.8
20°	826.3
22.5°	755.2
25°	679.1
27.5°	593.1
30°	496.7
32.5°	409.4
35°	332.0
37.5°	255.4
40°	183.2
42.5°	119.7
45°	68.7
47.5°	36.4
50°	22.6
52.5°	15.7
55°	11.2
57.5°	8.1
60°	5.6
62.5°	3.7
65°	2.6
67.5°	2.4
70°	2.2
72.5°	1.7
75°	1.3
77.5°	1.2
80°	0.9
82.5°	0.7
85°	0.4
87.5°	0.3
90°	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)