

Signify Classified - Internal  
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: P788106

Luminaire Tested: LER6D05D010-EC6DR700210IC9035-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788106  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D05D010-EC6DR700210IC9035-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 960.0 lumens  
Efficiency: N/A  
Efficacy: 128.0 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
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

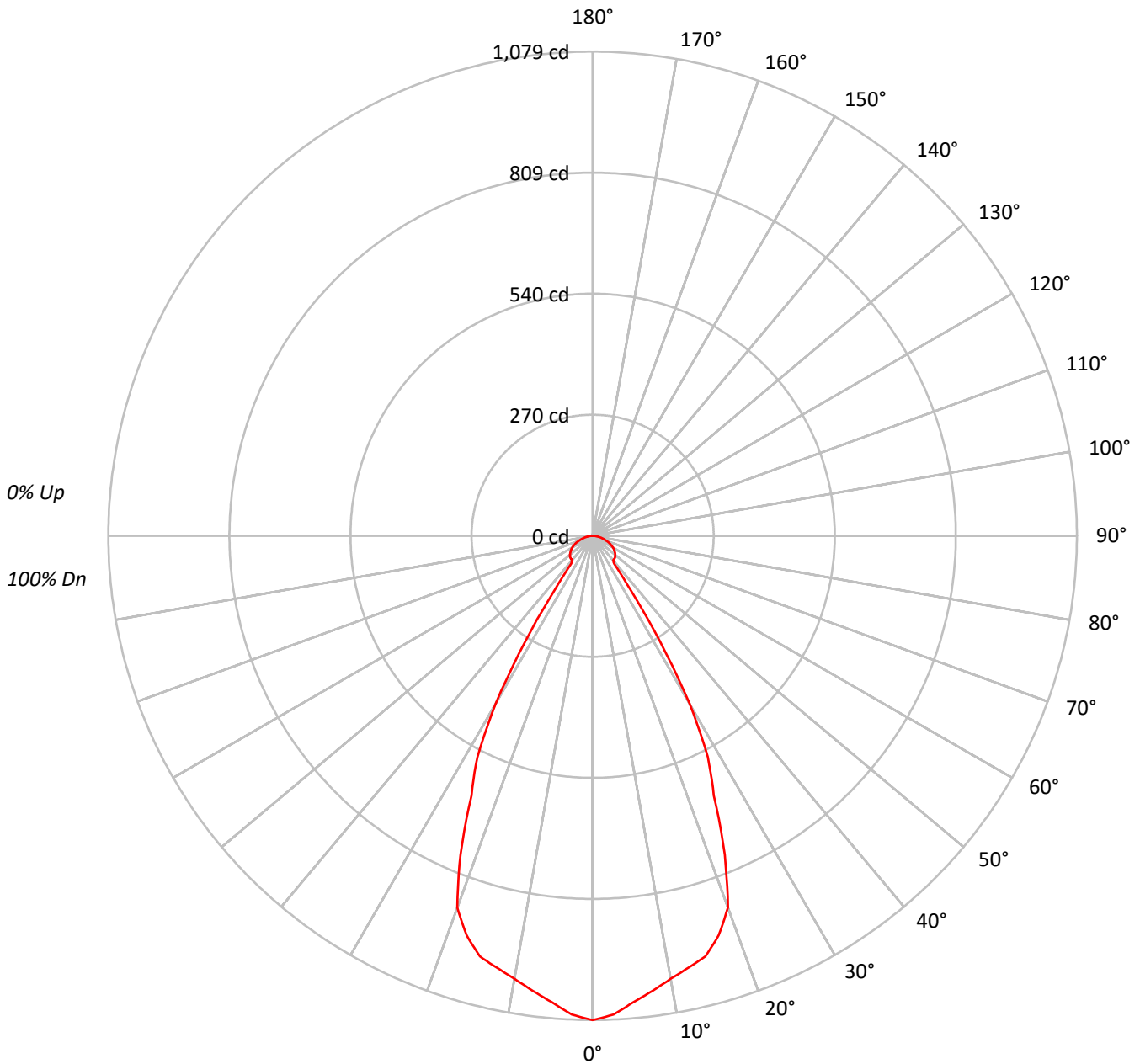


Downlight

TEST NUMBER: P788106

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### Luminous Intensity Polar Plot





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

RF	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	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	100	100	100	100	100	100	100	100	100	100																	
	1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91	91	91	91	91	91	91	91	91	91	91	91																
	2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	83	83	83	83	83	83	83	83	83	83	83																
	3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76	76	76	76	76	76	76	76	76	76	76	76																
	4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	70	70	70	70	70	70	70	70	70	70	70																
	5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65	65	65	65	65	65	65	65	65	65	65	65																
	6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61	61	61	61	61	61	61	61	61	61	61	61																
	7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57	57	57	57	57	57	57	57	57																
	8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53	53	53	53	53	53	53	53	53																
	9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50	50	50	50	50	50	50	50	50	50	50	50																
	10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48	48	48	48	48	48	48	48	48	48	48	48																

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

	0°
0°	117925
5°	114416
10°	111235
15°	109778
20°	102506
25°	77011
30°	54440
35°	19287
40°	10141
45°	10801
50°	11185
55°	11391
60°	11472
65°	11220
70°	10606
75°	9794
80°	8683
85°	7020

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 60°  
 Luminance: 11472 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.4	10.2
10°-20°	269.9	28.1
20°-30°	297.3	31.0
30°-40°	113.6	11.8
40°-50°	53.6	5.6
50°-60°	53.3	5.6
60°-70°	42.7	4.4
70°-80°	24.5	2.6
80°-90°	6.6	0.7
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°	665.6	69.3
0°-40°	779.2	81.2
0°-60°	886.2	92.3
0°-90°	960.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	960.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1079	
5°	1043	98
15°	970	270
25°	639	297
35°	145	114
45°	70	54
55°	60	53
65°	43	43
75°	23	25
85°	6	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1079.3
2.5°	1068.0
5°	1043.2
7.5°	1022.6
10°	1002.6
12.5°	985.7
15°	970.5
17.5°	933.7
20°	881.6
22.5°	769.2
25°	638.8
27.5°	556.1
30°	431.5
32.5°	278.7
35°	144.6
37.5°	78.1
40°	71.1
42.5°	70.6
45°	69.9
47.5°	68.4
50°	65.8
52.5°	62.9
55°	59.8
57.5°	56.4
60°	52.5
62.5°	48.0
65°	43.4
67.5°	38.3
70°	33.2
72.5°	28.0
75°	23.2
77.5°	18.3
80°	13.8
82.5°	9.7
85°	5.6
87.5°	2.2
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)