

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: P791049

Luminaire Tested: LER6D25D010-EC6DR6020359027-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791049  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR6020359027-6LB DP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5046.8 lumens  
Efficiency: N/A  
Efficacy: 201.1 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.1  
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

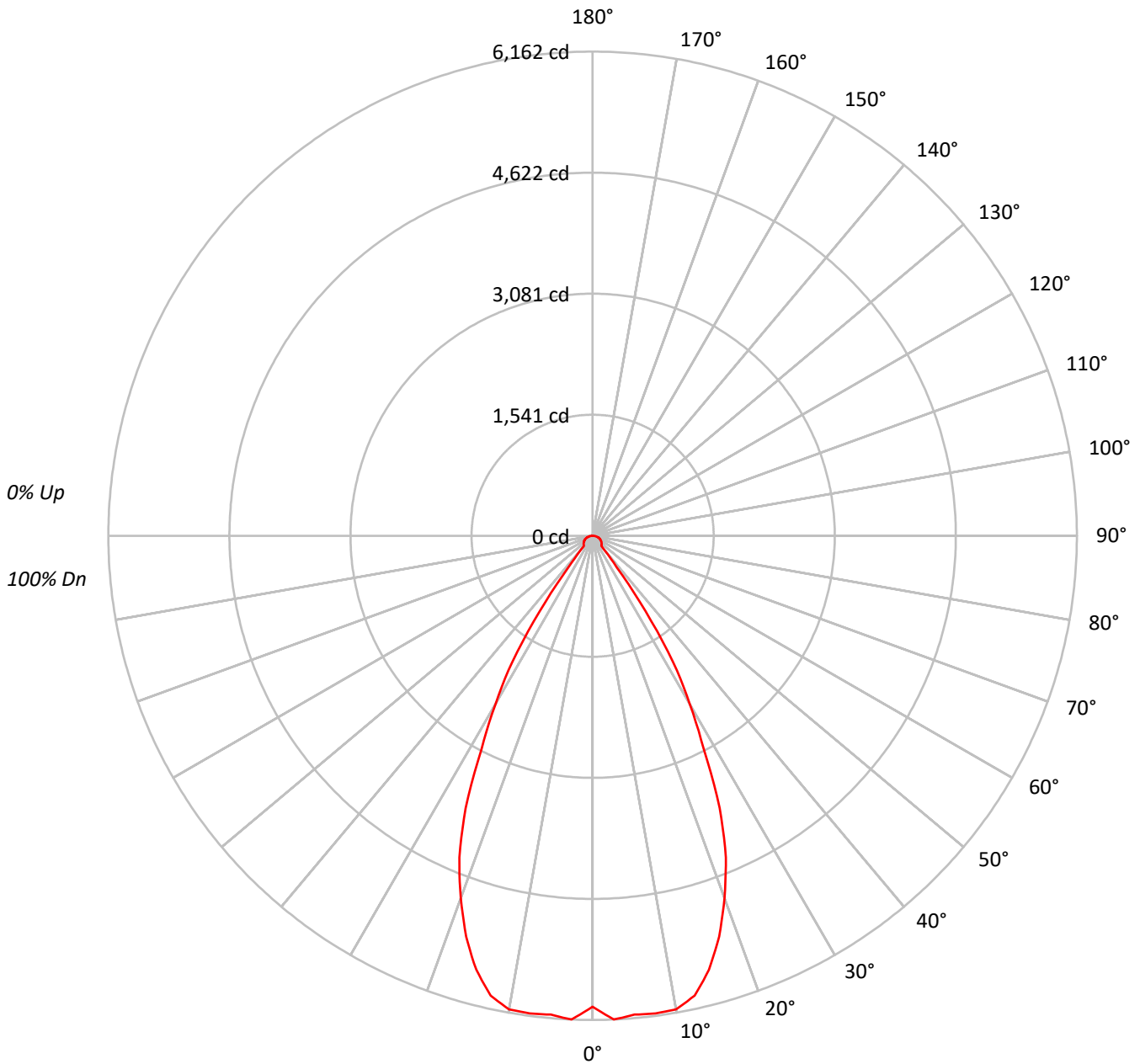


Downlight

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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									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				100															
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

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

	0°
0°	654887
5°	670989
10°	679091
15°	646928
20°	570388
25°	461355
30°	312065
35°	156378
40°	25360
45°	24831
50°	25327
55°	25697
60°	26419
65°	27017
70°	27665
75°	27989
80°	26993
85°	22440

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 27989 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	584.7	11.6
10°-20°	1582.0	31.3
20°-30°	1702.1	33.7
30°-40°	739.9	14.7
40°-50°	124.3	2.5
50°-60°	120.8	2.4
60°-70°	103.3	2.0
70°-80°	69.1	1.4
80°-90°	20.7	0.4
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°	3868.8	76.7
0°-40°	4608.6	91.3
0°-60°	4853.7	96.2
0°-90°	5046.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5046.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5994	
5°	6118	585
15°	5719	1582
25°	3827	1702
35°	1172	740
45°	161	124
55°	135	121
65°	104	103
75°	66	69
85°	18	21
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5993.8
2.5°	6162.3
5°	6117.8
7.5°	6131.9
10°	6120.9
12.5°	5994.6
15°	5719.2
17.5°	5349.5
20°	4905.6
22.5°	4430.6
25°	3826.9
27.5°	3060.9
30°	2473.5
32.5°	1906.4
35°	1172.4
37.5°	501.6
40°	177.8
42.5°	163.8
45°	160.7
47.5°	155.2
50°	149.0
52.5°	142.0
55°	134.9
57.5°	127.9
60°	120.9
62.5°	113.1
65°	104.5
67.5°	95.9
70°	86.6
72.5°	76.4
75°	66.3
77.5°	54.6
80°	42.9
82.5°	30.4
85°	17.9
87.5°	6.2
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)