

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: P794304

Luminaire Tested: LER6D60D010-EC6DR4055659024-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794304  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D60D010-EC6DR4055659024-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6404.8 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

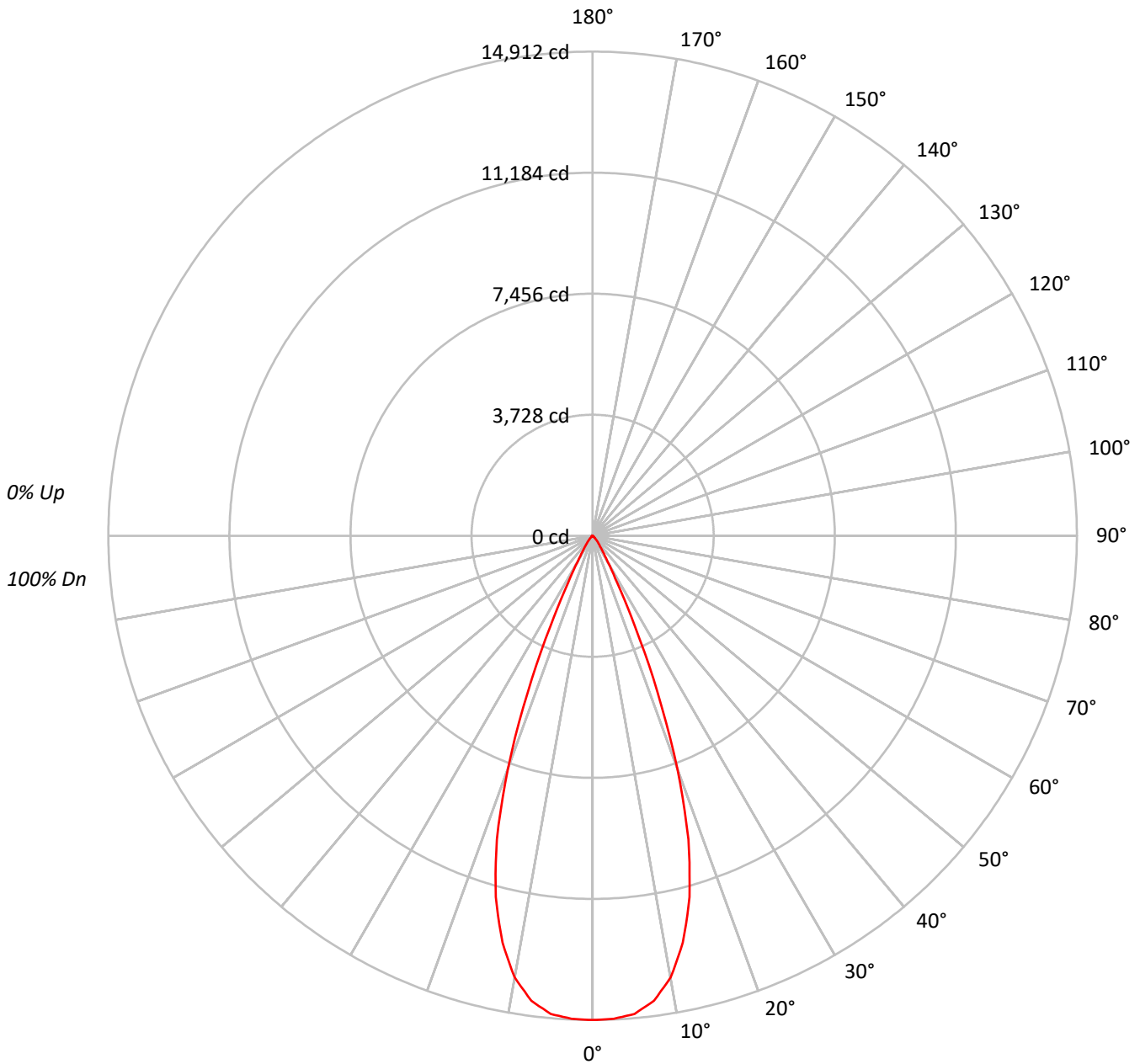
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	96	96	96	96	96	96	96	96	96	96	96															
	2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92	92	92	92	92	92	92	92	92	92															
	3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	88	88	88	88	88	88	88	88	88	88	88															
	4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	84	84	84	84	84	84	84	84	84	84	84															
	5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	81	81	81	81	81	81	81	81	81	81	81															
	6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	77	77	77	77	77	77	77	77	77	77	77															
	7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	74	74	74	74	74	74	74	74	74	74	74															
	8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	72	72	72	72	72	72	72	72	72	72	72															
	9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69	69	69	69	69	69	69	69	69	69	69	69															
	10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67	67	67	67	67	67	67	67	67	67	67	67															

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

	0°
0°	1629296
5°	1621383
10°	1532556
15°	1302871
20°	887999
25°	370504
30°	116499
35°	54140
40°	29938
45°	13737
50°	6663
55°	3657
60°	1901
65°	672
70°	288
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13737 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1380.4	21.6
10°-20°	3092.4	48.3
20°-30°	1547.9	24.2
30°-40°	283.7	4.4
40°-50°	78.3	1.2
50°-60°	18.4	0.3
60°-70°	3.5	0.1
70°-80°	0.1	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°	6020.7	94.0
0°-40°	6304.4	98.4
0°-60°	6401.1	99.9
0°-90°	6404.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6404.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14912	
5°	14783	###
15°	11518	3092
25°	3073	1548
35°	406	284
45°	89	78
55°	19	18
65°	3	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14912.0
2.5°	14890.2
5°	14783.1
7.5°	14441.6
10°	13813.5
12.5°	12834.4
15°	11518.1
17.5°	9806.3
20°	7637.2
22.5°	5206.7
25°	3073.3
27.5°	1624.7
30°	923.4
32.5°	596.7
35°	405.9
37.5°	290.1
40°	209.9
42.5°	143.7
45°	88.9
47.5°	56.6
50°	39.2
52.5°	27.9
55°	19.2
57.5°	12.2
60°	8.7
62.5°	5.2
65°	2.6
67.5°	1.7
70°	0.9
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

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

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— 0°-180°

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(END OF REPORT)