

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: P794592

Luminaire Tested: LER6D60D010-EC6DR7055659024-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794592  
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: LER6D60D010-EC6DR7055659024-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6193.0 lumens  
Efficiency: N/A  
Efficacy: 96.2 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

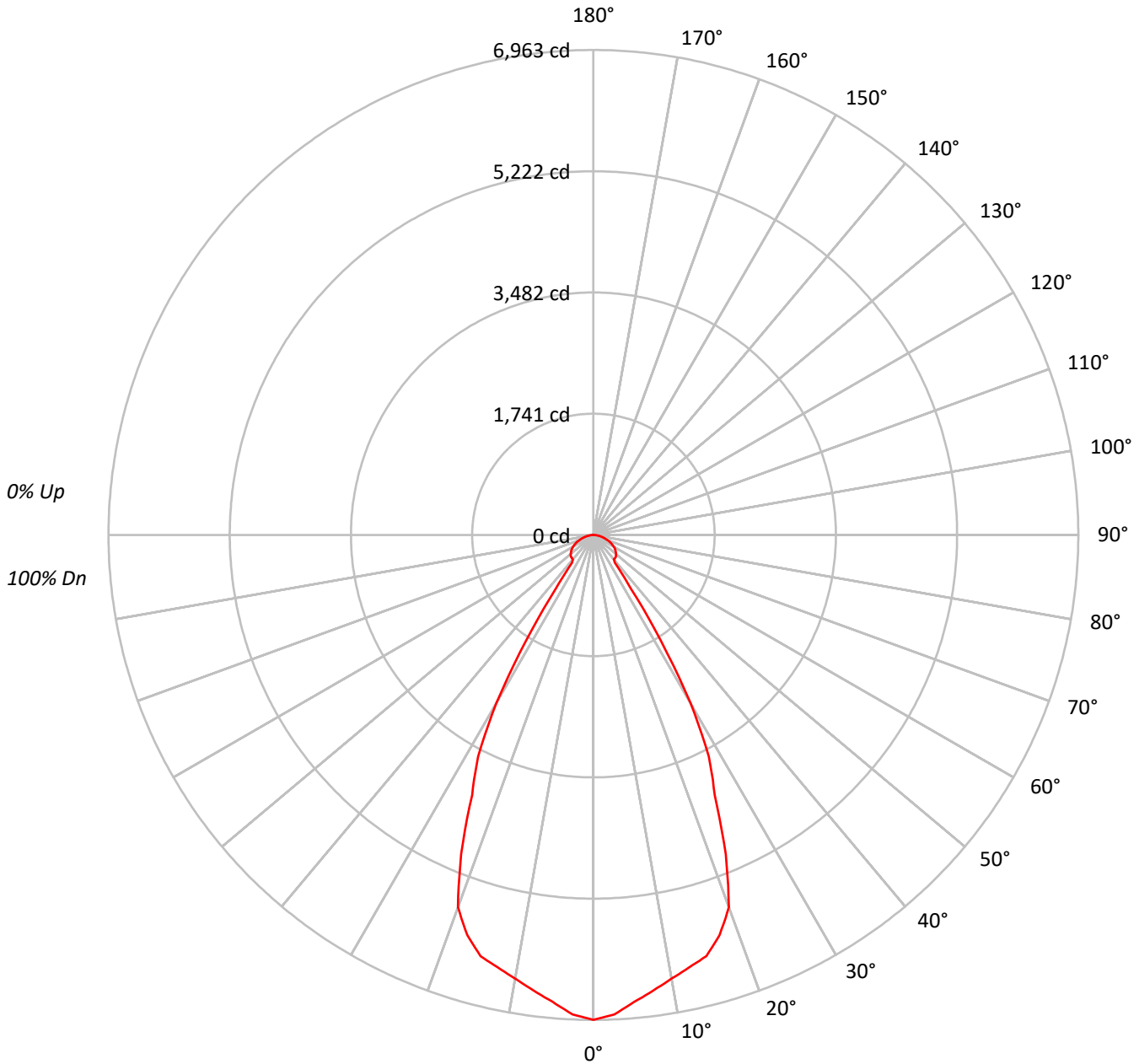
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	760750
5°	738145
10°	717567
15°	708157
20°	661267
25°	496775
30°	351176
35°	124393
40°	65410
45°	69672
50°	72139
55°	73491
60°	73948
65°	72389
70°	68332
75°	63280
80°	56188
85°	45632

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 73979 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	634.8	10.3
10°-20°	1741.2	28.1
20°-30°	1917.7	31.0
30°-40°	732.7	11.8
40°-50°	346.0	5.6
50°-60°	343.9	5.6
60°-70°	275.4	4.4
70°-80°	158.3	2.6
80°-90°	43.0	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°	4293.7	69.3
0°-40°	5026.4	81.2
0°-60°	5716.3	92.3
0°-90°	6193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6193.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6963	
5°	6730	635
15°	6260	1741
25°	4121	1918
35°	933	733
45°	451	346
55°	386	344
65°	280	275
75°	150	158
85°	36	43
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6962.7
2.5°	6889.9
5°	6730.1
7.5°	6596.7
10°	6467.7
12.5°	6358.6
15°	6260.5
17.5°	6023.4
20°	5687.2
22.5°	4961.8
25°	4120.7
27.5°	3587.2
30°	2783.5
32.5°	1798.0
35°	932.6
37.5°	503.8
40°	458.6
42.5°	455.3
45°	450.9
47.5°	441.0
50°	424.4
52.5°	405.7
55°	385.8
57.5°	363.8
60°	338.4
62.5°	309.8
65°	280.0
67.5°	246.9
70°	213.9
72.5°	180.8
75°	149.9
77.5°	118.0
80°	89.3
82.5°	62.8
85°	36.4
87.5°	14.3
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

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— 0°-180°

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(END OF REPORT)