



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: P789145

Luminaire Tested: LER6D10D010-EC6DR500210IC9027-6LBDP1LI

Issue Date: 2/2/2024

### Test Information

Test Method: LM-79-2019  
Report Number: P789145  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D10D010-EC6DR500210IC9027-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 1913.6 lumens  
Efficiency: N/A  
Efficacy: 163.6 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

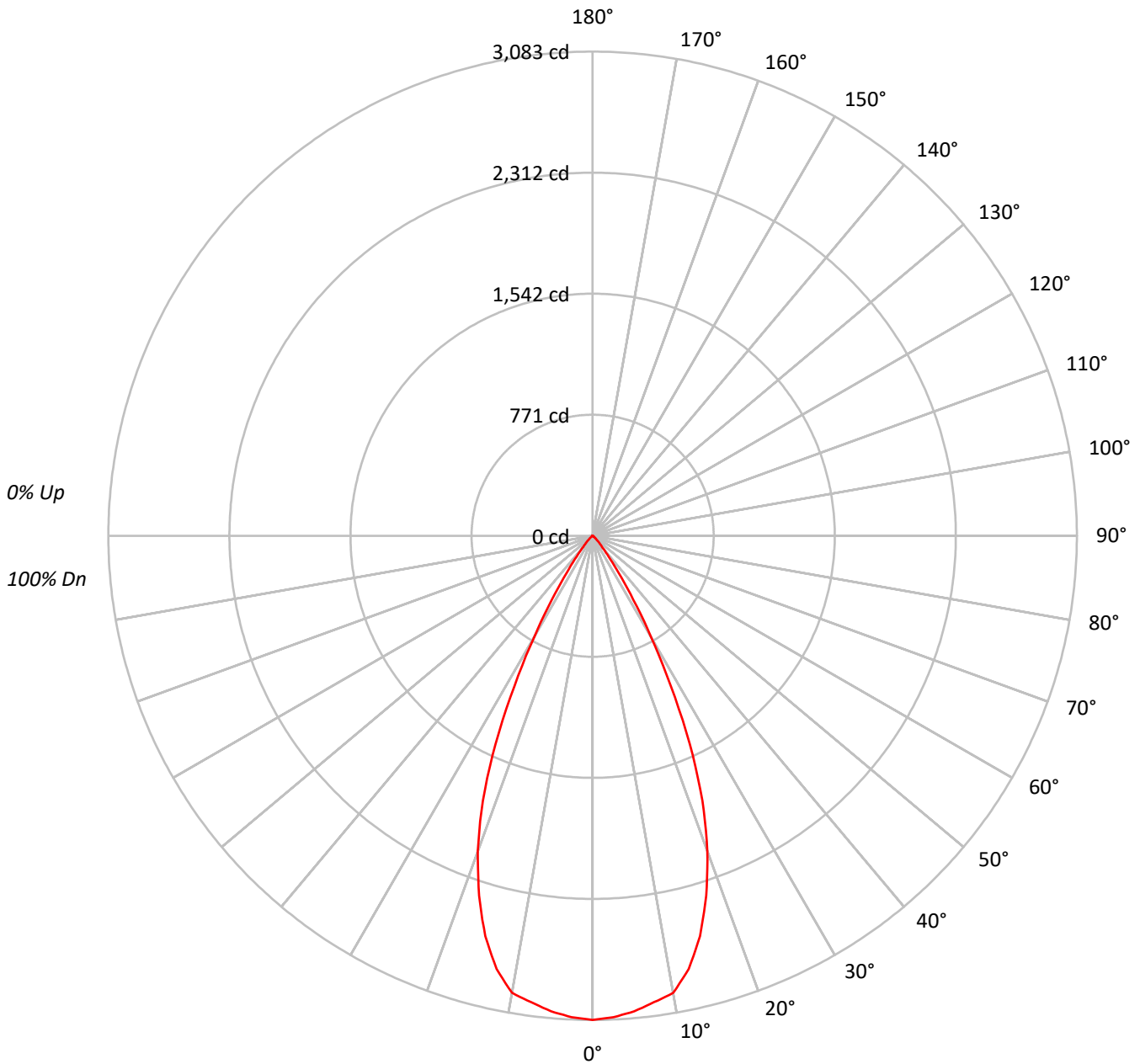
Input Watts (W): 11.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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				70				50				30				10		0	
RW	70	50	30	10	70	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	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79	76	74	72
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76	73	70	69
8	85	76	71	67	84	76	71	67	75	70	67		74	70	67		73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64		71	67	64		70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61		68	64	61		67	63	60	59

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

	0°
0°	336873
5°	333345
10°	327857
15°	298533
20°	248417
25°	176337
30°	93336
35°	38041
40°	14120
45°	6474
50°	2652
55°	1391
60°	677
65°	207
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6474 cd/sqm

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.3	15.0
10°-20°	726.0	37.9
20°-30°	652.1	34.1
30°-40°	204.2	10.7
40°-50°	35.8	1.9
50°-60°	7.1	0.4
60°-70°	1.1	0.1
70°-80°	0.0	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
<b>0°-30°</b>	<b>1665.4</b>	<b>87.0</b>
<b>0°-40°</b>	<b>1869.6</b>	<b>97.7</b>
<b>0°-60°</b>	<b>1912.5</b>	<b>99.9</b>
<b>0°-90°</b>	<b>1913.6</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>1913.6</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3083	
5°	3039	287
15°	2639	726
25°	1463	652
35°	285	204
45°	42	36
55°	7	7
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3083.2
2.5°	3067.9
5°	3039.3
7.5°	2995.6
10°	2955.1
12.5°	2825.1
15°	2639.2
17.5°	2403.2
20°	2136.5
22.5°	1827.9
25°	1462.7
27.5°	1075.4
30°	739.8
32.5°	481.7
35°	285.2
37.5°	163.8
40°	99.0
42.5°	64.5
45°	41.9
47.5°	25.5
50°	15.6
52.5°	10.7
55°	7.3
57.5°	4.9
60°	3.1
62.5°	1.8
65°	0.8
67.5°	0.3
70°	0.0
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



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

Scaled Data Report





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— 0°-180°

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(END OF REPORT)