

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: P786317

Luminaire Tested: LERS6D10D010-EC6DR200210IC9024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D10D010-EC6DR200210IC9024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1011.5 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): 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

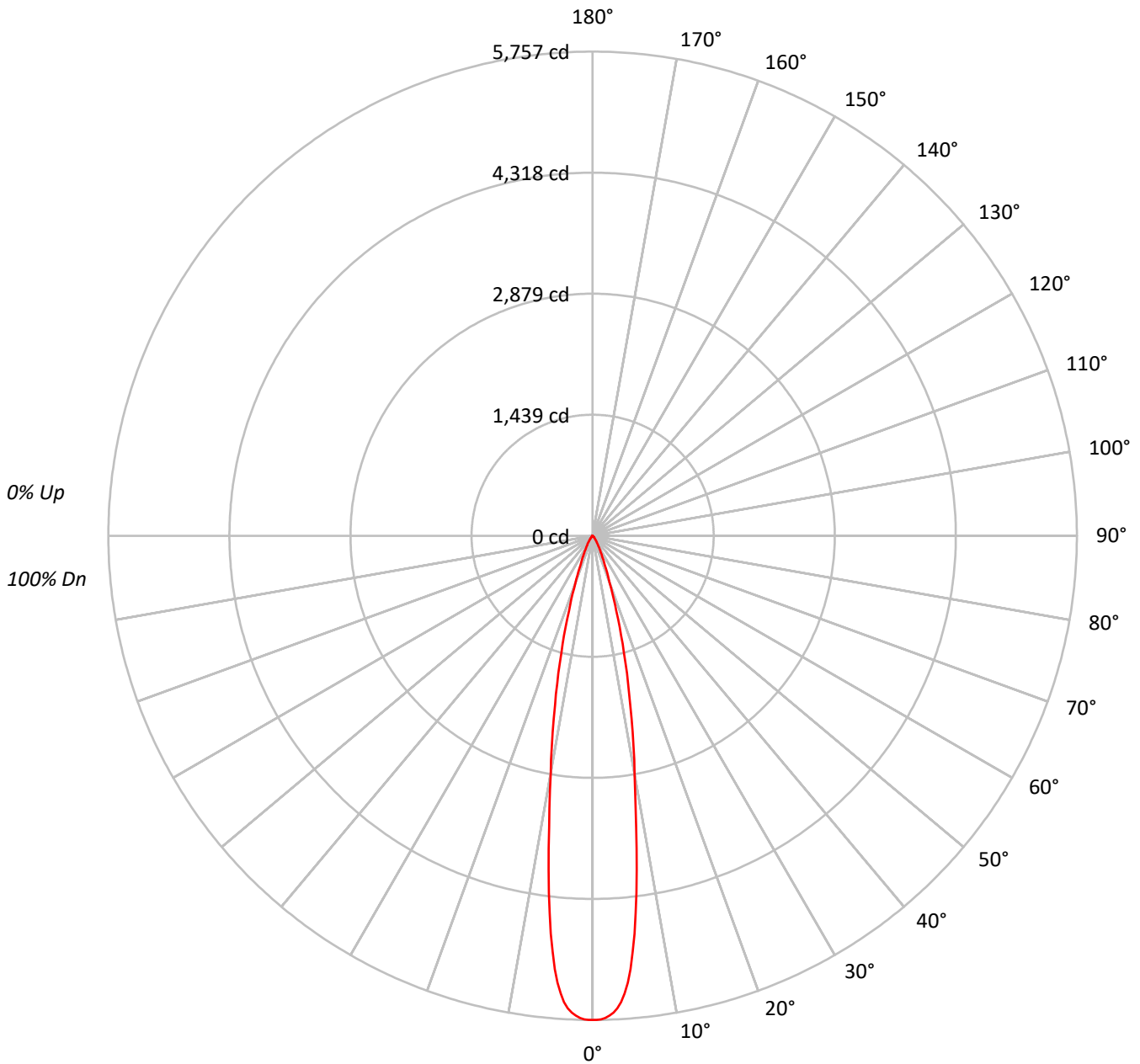


Downlight

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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	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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76																																																											
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70																																																									
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66																																																								
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62																																																							
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56																																																				
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50																																																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	628992
5°	567475
10°	318493
15°	161902
20°	68543
25°	31646
30°	16755
35°	9030
40°	4821
45°	2859
50°	1649
55°	876
60°	568
65°	388
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2859 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.9	40.5
10°-20°	403.6	39.9
20°-30°	131.8	13.0
30°-40°	44.9	4.4
40°-50°	15.1	1.5
50°-60°	4.6	0.5
60°-70°	1.5	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°	945.3	93.5
0°-40°	990.2	97.9
0°-60°	1009.9	99.8
0°-90°	1011.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1011.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5757	
5°	5174	410
15°	1431	404
25°	262	132
35°	68	45
45°	18	15
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5756.8
0.5°	5756.8
1°	5749.7
1.5°	5735.3
2°	5709.2
2.5°	5674.3
3°	5625.1
3.5°	5556.4
4°	5454.4
4.5°	5330.3
5°	5174.0
5.5°	4968.4
6°	4757.7
6.5°	4516.3
7°	4279.9
7.5°	4003.1
8°	3756.0
8.5°	3507.4
9°	3277.8
9.5°	3067.1
10°	2870.7
12.5°	2061.3
15°	1431.3
17.5°	935.0
20°	589.5
22.5°	381.9
25°	262.5
27.5°	184.5
30°	132.8
32.5°	95.3
35°	67.7
37.5°	47.2
40°	33.8
42.5°	24.6
45°	18.5
47.5°	14.4
50°	9.7
52.5°	6.2
55°	4.6
57.5°	3.6
60°	2.6
62.5°	2.1
65°	1.5



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CANDELA DISTRIBUTION (continued):

	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

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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67.5°		1.0
70°		0.5

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(END OF REPORT)