

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: P1319841

Luminaire Tested: LDSQA3D05R359840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

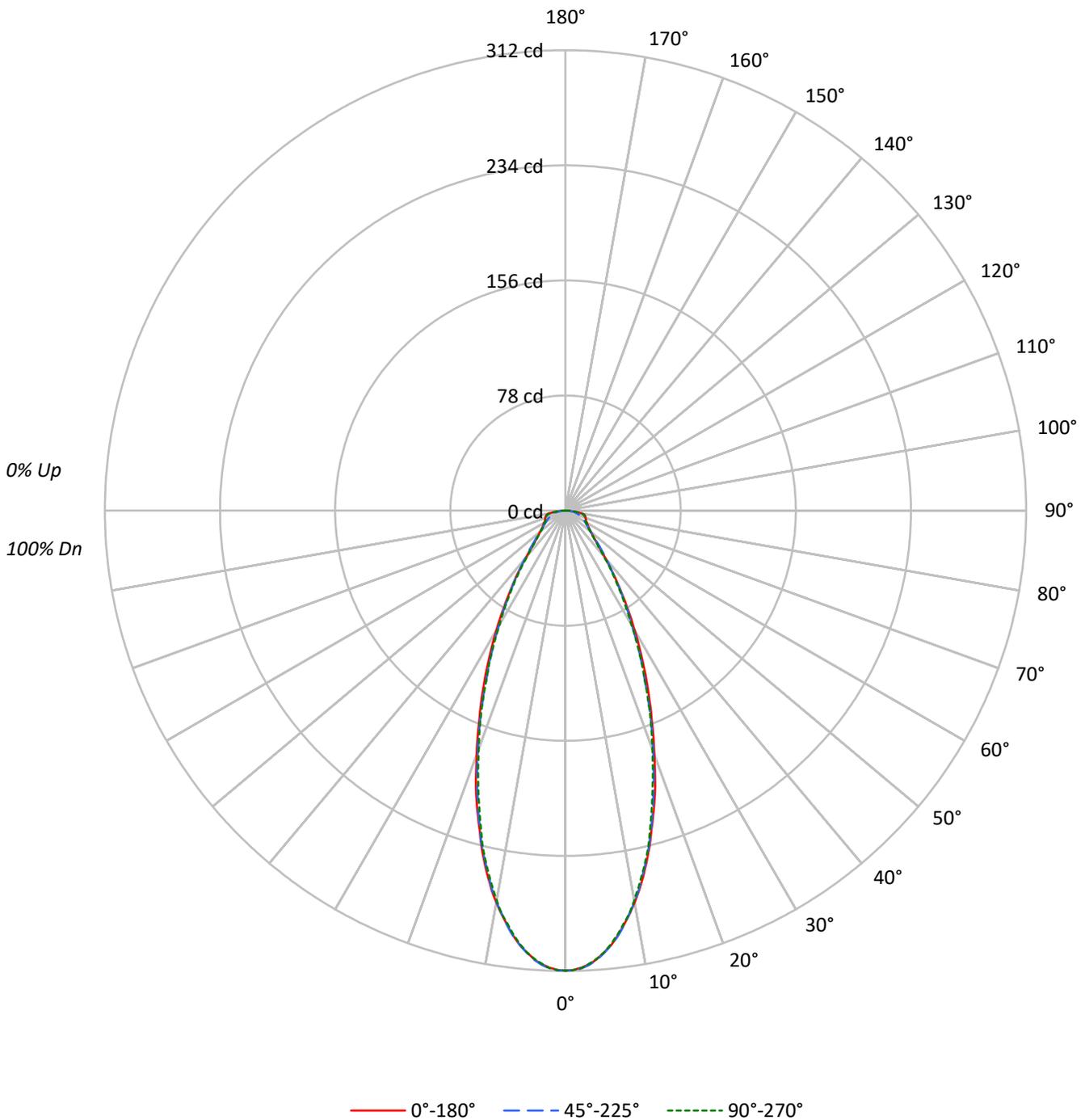
Test Method: LM-79-2019  
Report Number: P1319841  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359840DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 258.0 lumens  
Efficiency: N/A  
Efficacy: 35.8 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
Input Voltage (V): NR  
Input Current (Ain): 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

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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	74	74	74	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	62	62	62	60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	57	57	57	56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	54	54	54	52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	50	50	50	49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	47	47	47	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	44	44	44	43

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

	0°	45°	90°
0°	53699	53699	53699
5°	51933	52002	51933
10°	47182	47113	46903
15°	40046	39921	39564
20°	32238	31817	31523
25°	24931	24171	24171
30°	18594	17958	17798
35°	13372	13203	12888
40°	9353	9622	9015
45°	6990	7355	6795
50°	6002	6002	5894
55°	5675	5435	5555
60°	5821	5270	5546
65°	6235	5298	6072
70°	7301	5539	7100
75°	9116	5723	8917
80°	11703	6248	10513
85°	9287	6126	9287

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 11703 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.7	10.7
10°-20°	61.8	24.0
20°-30°	59.0	22.9
30°-40°	39.6	15.4
40°-50°	23.3	9.0
50°-60°	16.7	6.5
60°-70°	13.9	5.4
70°-80°	11.4	4.4
80°-90°	4.7	1.8
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°	148.5	57.6
0°-40°	188.2	72.9
0°-60°	228.1	88.4
0°-90°	258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	258.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	312	312	312	312	312	
5°	300	301	301	300	300	28
15°	225	225	224	222	222	62
25°	131	130	127	127	127	60
35°	64	64	63	62	61	40
45°	29	30	30	29	28	23
55°	19	18	18	18	18	17
65°	15	14	13	14	15	15
75°	14	11	9	11	13	14
85°	5	5	3	5	5	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	311.8	311.8	311.8	311.8	311.8
1°	311.4	311.8	311.8	311.4	311.4
2°	309.9	310.7	310.3	309.9	310.3
3°	307.9	308.7	308.3	307.9	307.5
4°	304.8	305.5	305.2	304.4	304.4
5°	300.4	301.2	300.8	300.4	300.4
6°	296.1	296.9	296.1	295.3	295.3
7°	290.2	291.4	290.6	289.8	289.4
8°	283.6	284.7	283.9	283.6	282.8
9°	276.9	277.7	276.5	276.5	276.5
10°	269.8	270.2	269.4	268.2	268.2
11°	262.0	261.6	261.2	260.4	259.6
12°	253.3	253.3	252.1	251.4	251.0
13°	244.3	243.9	243.1	242.3	242.3
14°	234.9	234.9	234.1	232.5	232.9
15°	224.6	225.0	223.9	222.3	221.9
17.5°	201.5	200.7	198.7	197.5	196.4
20°	175.9	175.6	173.6	172.4	172.0
22.5°	152.4	152.0	150.0	148.8	149.6
25°	131.2	129.6	127.2	127.2	127.2
27.5°	111.5	109.6	108.0	107.2	108.0
30°	93.5	91.9	90.3	89.9	89.5
32.5°	77.4	76.6	75.8	74.6	74.6
35°	63.6	63.6	62.8	61.7	61.3
37.5°	51.8	52.2	51.8	50.7	50.3
40°	41.6	42.4	42.8	41.6	40.1
42.5°	34.2	35.3	36.1	34.2	33.0
45°	28.7	29.5	30.2	28.7	27.9
47.5°	25.1	25.5	25.9	24.7	24.3
50°	22.4	22.4	22.4	22.0	22.0
52.5°	20.4	20.4	20.0	19.6	19.6
55°	18.9	18.5	18.1	18.1	18.5
57.5°	17.7	17.3	16.5	16.9	17.3
60°	16.9	16.1	15.3	15.7	16.1
62.5°	15.7	14.9	14.1	14.5	15.3
65°	15.3	13.7	13.0	13.7	14.9
67.5°	14.9	13.0	11.8	13.0	14.5
70°	14.5	12.2	11.0	12.2	14.1
72.5°	14.1	11.4	9.8	11.4	13.7
75°	13.7	10.6	8.6	10.6	13.4
77.5°	13.0	9.8	7.5	9.8	12.2
80°	11.8	9.0	6.3	8.6	10.6
82.5°	8.6	7.5	5.1	7.5	7.9
85°	4.7	5.1	3.1	5.1	4.7
87.5°	0.4	0.8	0.8	2.4	1.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)