

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: P1319629

Luminaire Tested: LDSQA3D02R159840DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319629  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R159840DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

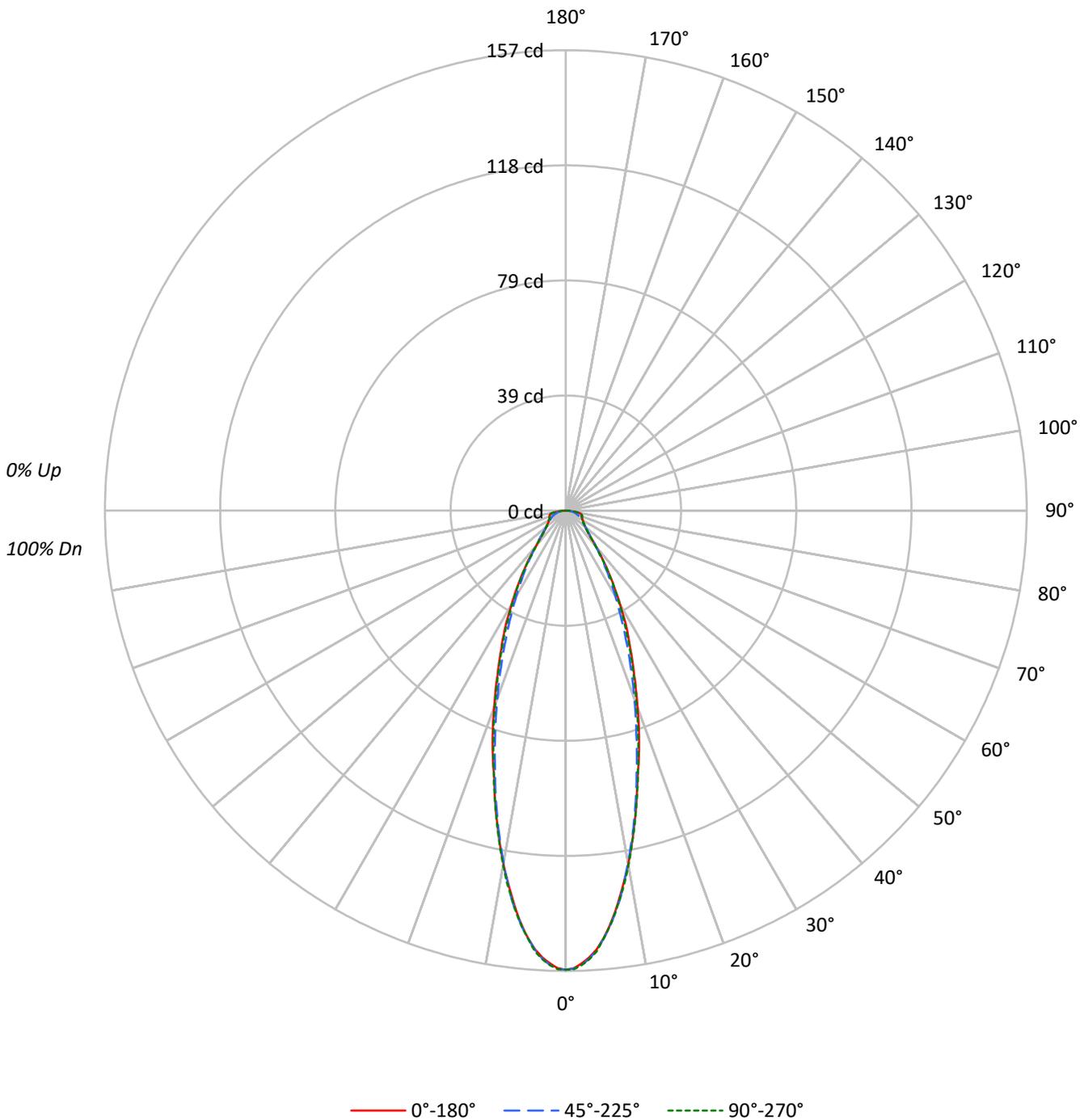
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 105.0 lumens  
Efficiency: N/A  
Efficacy: 29.2 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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

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### Luminous Intensity Polar Plot





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

RF	20				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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

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

	0°	45°	90°
0°	26970	26970	26970
5°	25327	25362	25362
10°	21405	21335	21475
15°	16831	16600	16867
20°	13086	12481	12903
25°	9881	9178	9729
30°	7338	6702	7199
35°	5235	4878	5172
40°	3552	3597	3507
45°	2630	2777	2630
50°	2304	2304	2304
55°	2222	2102	2222
60°	2308	2101	2239
65°	2486	2160	2486
70°	2971	2216	2971
75°	3793	2262	3793
80°	4761	2479	4562
85°	3754	2174	4150

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 4761 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.2	12.6
10°-20°	26.1	24.9
20°-30°	23.1	22.0
30°-40°	15.2	14.4
40°-50°	8.9	8.4
50°-60°	6.5	6.2
60°-70°	5.6	5.3
70°-80°	4.6	4.4
80°-90°	1.9	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°	62.4	59.4
0°-40°	77.6	73.9
0°-60°	93.0	88.5
0°-90°	105.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	105.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	157	157	157	157	157	
5°	146	146	147	147	147	13
15°	94	94	93	94	95	26
25°	52	50	48	50	51	24
35°	25	24	23	24	25	16
45°	11	11	11	11	11	9
55°	7	7	7	7	7	7
65°	6	6	5	6	6	6
75°	6	4	3	4	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	156.6	156.6	156.6	156.6	156.6
1°	156.1	156.2	156.2	156.4	156.4
2°	154.5	154.9	155.1	155.1	155.1
3°	152.6	152.8	153.0	153.2	153.2
4°	150.0	150.2	150.2	150.5	150.7
5°	146.5	146.5	146.7	146.9	146.7
6°	142.5	142.5	142.7	142.7	142.7
7°	137.8	138.0	138.2	138.4	138.2
8°	132.6	132.8	133.4	133.4	133.2
9°	127.5	127.7	127.7	128.3	128.3
10°	122.4	122.4	122.0	122.4	122.8
12.5°	108.5	108.3	107.7	108.3	108.7
15°	94.4	94.4	93.1	94.2	94.6
17.5°	83.0	81.3	79.9	81.1	82.0
20°	71.4	69.7	68.1	69.3	70.4
22.5°	60.9	59.6	57.7	58.8	60.1
25°	52.0	50.2	48.3	49.7	51.2
27.5°	44.5	42.2	40.3	41.9	43.2
30°	36.9	35.4	33.7	34.8	36.2
32.5°	30.5	29.3	28.0	28.9	30.1
35°	24.9	24.0	23.2	23.8	24.6
37.5°	20.0	19.6	19.2	19.4	19.4
40°	15.8	16.0	16.0	16.0	15.6
42.5°	12.9	13.1	13.5	13.1	12.9
45°	10.8	11.0	11.4	11.0	10.8
47.5°	9.5	9.7	9.9	9.5	9.5
50°	8.6	8.6	8.6	8.6	8.6
52.5°	8.0	7.8	7.8	7.8	8.0
55°	7.4	7.2	7.0	7.2	7.4
57.5°	6.9	6.7	6.5	6.7	6.9
60°	6.7	6.3	6.1	6.3	6.5
62.5°	6.3	5.9	5.7	5.9	6.3
65°	6.1	5.5	5.3	5.5	6.1
67.5°	5.9	5.1	4.8	5.1	5.9
70°	5.9	4.8	4.4	4.9	5.9
72.5°	5.7	4.6	3.8	4.6	5.7
75°	5.7	4.2	3.4	4.4	5.7
77.5°	5.3	3.8	2.9	4.0	5.3
80°	4.8	3.4	2.5	3.6	4.6
82.5°	3.4	2.9	1.9	2.9	3.4
85°	1.9	2.1	1.1	1.9	2.1
87.5°	0.2	0.6	0.4	1.1	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)