

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: P1316433

Luminaire Tested: LDSQA3D09R309740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316433  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R309740DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

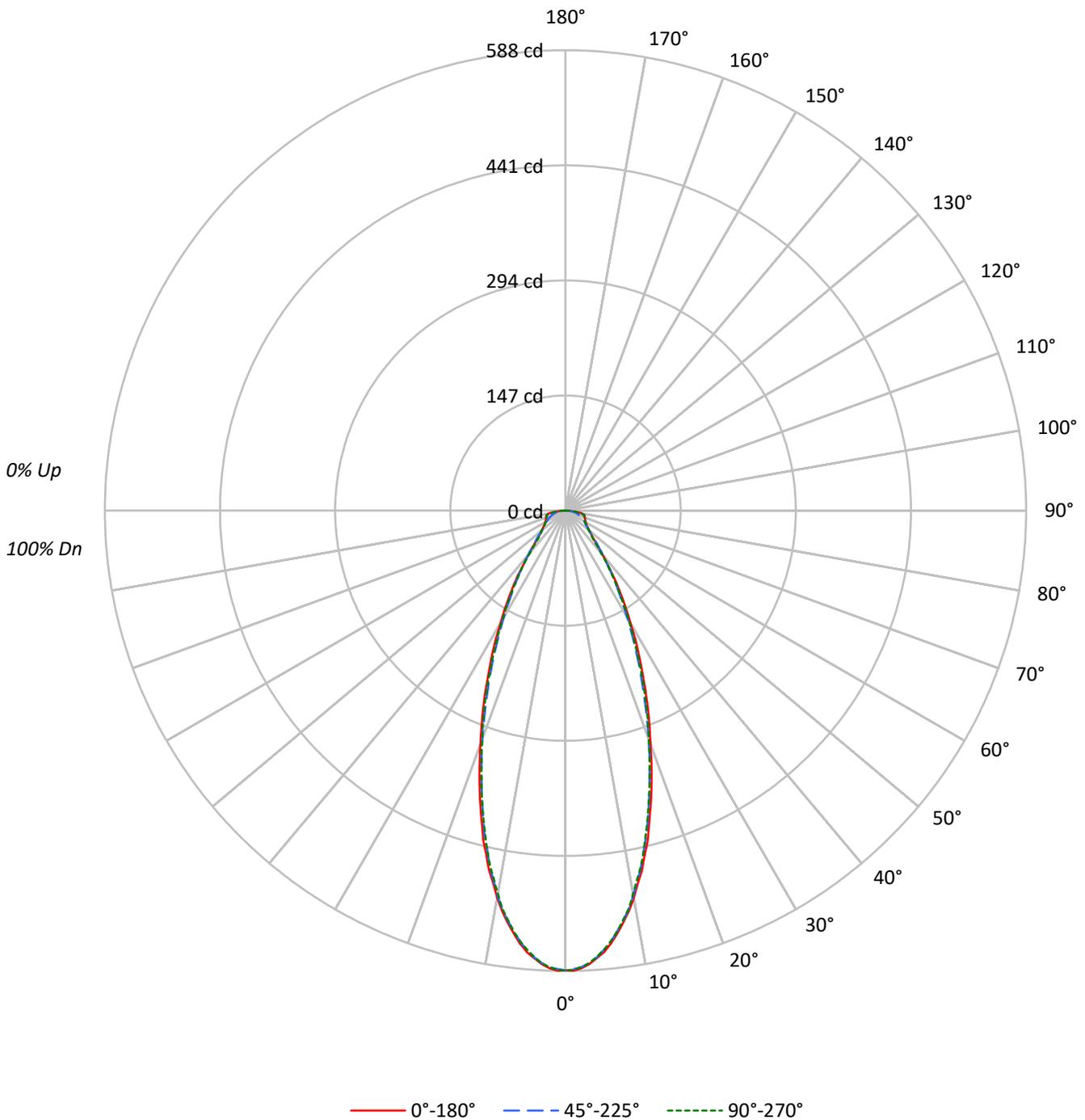
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 463.0 lumens  
Efficiency: N/A  
Efficacy: 41.7 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
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

TEST NUMBER: P1316433  
CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQPHRLP1MW

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

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

	0°	45°	90°
0°	101112	101112	101112
5°	97833	97332	97332
10°	87789	87300	86933
15°	73584	72442	72318
20°	58098	56925	56925
25°	44466	42718	43516
30°	32992	31301	32017
35°	23863	22812	22959
40°	16412	16749	15940
45°	12251	12787	11740
50°	10637	10449	10449
55°	9999	9578	9789
60°	10264	9541	10023
65°	11288	9536	10962
70°	13193	9618	12840
75°	16968	10381	16502
80°	21125	11207	19737
85°	16796	11263	15413

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 21125 cd/sqm



TEST NUMBER: P1316433

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQPHRLP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.8	11.2
10°-20°	112.6	24.3
20°-30°	104.9	22.7
30°-40°	69.6	15.0
40°-50°	40.5	8.8
50°-60°	29.5	6.4
60°-70°	24.9	5.4
70°-80°	20.6	4.5
80°-90°	8.6	1.9
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°	269.2	58.2
0°-40°	338.8	73.2
0°-60°	408.9	88.3
0°-90°	463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	463.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	587	587	587	587	587	
5°	566	565	563	563	563	52
15°	413	408	406	406	406	114
25°	234	230	225	226	229	108
35°	114	111	108	109	109	71
45°	50	51	52	50	48	40
55°	33	33	32	33	33	30
65°	28	25	23	25	27	28
75°	26	19	16	19	25	26
85°	8	10	6	9	8	10
90°	0	0	0	0	0	



TEST NUMBER: P1316433

CATALOG NUMBER: LDSQA3D09R309740DE010 3LSQPHRLP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	587.1	587.1	587.1	587.1	587.1
1°	587.8	587.1	585.7	586.4	586.4
2°	585.0	584.3	583.6	583.6	583.6
3°	580.0	579.3	578.6	578.6	578.6
4°	573.0	572.2	572.2	571.5	571.5
5°	565.9	565.2	563.0	563.0	563.0
6°	555.9	555.2	553.8	553.1	553.1
7°	543.9	543.9	541.7	541.0	541.7
8°	531.1	530.4	529.0	528.3	528.3
9°	517.6	515.5	515.5	513.4	514.8
10°	502.0	500.6	499.2	497.8	497.1
11°	484.3	483.6	481.5	480.1	479.3
12°	469.4	465.9	464.5	462.3	463.7
13°	450.3	448.1	444.6	443.9	444.6
14°	434.0	429.7	426.9	425.5	424.7
15°	412.7	408.4	406.3	405.6	405.6
17.5°	365.2	362.3	356.7	356.7	356.7
20°	317.0	314.1	310.6	309.9	310.6
22.5°	275.1	270.2	264.5	265.2	269.5
25°	234.0	229.7	224.8	225.5	229.0
27.5°	199.3	193.6	188.6	190.0	192.2
30°	165.9	162.4	157.4	158.8	161.0
32.5°	137.6	135.4	129.8	131.2	133.3
35°	113.5	111.3	108.5	109.2	109.2
37.5°	90.8	90.8	90.1	89.3	88.6
40°	73.0	74.5	74.5	72.3	70.9
42.5°	59.6	61.0	62.4	59.6	57.4
45°	50.3	51.1	52.5	49.6	48.2
47.5°	44.0	44.0	45.4	43.3	42.5
50°	39.7	39.7	39.0	38.3	39.0
52.5°	36.2	35.5	34.7	35.5	35.5
55°	33.3	32.6	31.9	32.6	32.6
57.5°	31.2	30.5	29.8	29.8	30.5
60°	29.8	28.4	27.7	28.4	29.1
62.5°	28.4	26.2	25.5	26.2	27.7
65°	27.7	24.8	23.4	24.8	26.9
67.5°	26.9	23.4	21.3	23.4	26.2
70°	26.2	22.0	19.1	22.0	25.5
72.5°	25.5	20.6	17.7	20.6	25.5
75°	25.5	19.1	15.6	19.1	24.8
77.5°	24.1	17.7	13.5	17.7	23.4
80°	21.3	16.3	11.3	15.6	19.9
82.5°	15.6	14.2	8.5	13.5	14.9
85°	8.5	9.9	5.7	9.2	7.8
87.5°	1.4	2.1	1.4	4.3	2.8



TEST NUMBER: P1316433  
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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)