

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: P1310323

Luminaire Tested: LDSQA3D13R159035DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310323  
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: LDSQA3D13R159035DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

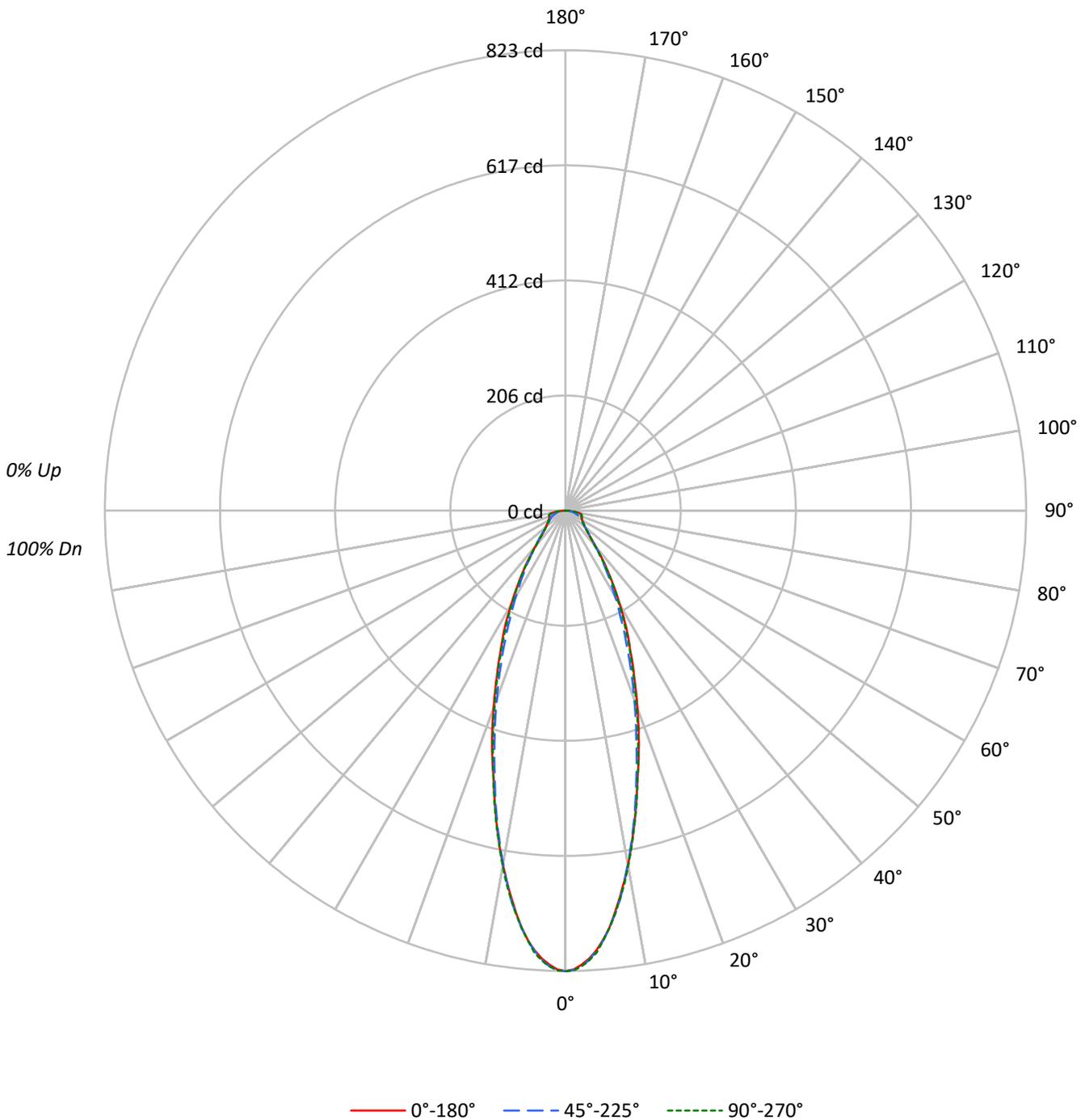
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 551.9 lumens  
Efficiency: N/A  
Efficacy: 37.8 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): 14.6  
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: P1310323  
CATALOG NUMBER: LDSQA3D13R159035DE010 3LSQPHRLP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1310323

CATALOG NUMBER: LDSQA3D13R159035DE010 3LSQPHRLP1MW

**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	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	73	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	61	56	66	60	56	64	59	55	63	59	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	54	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°	141808	141808	141808
5°	133187	133360	133360
10°	112500	112150	112850
15°	88489	87223	88668
20°	68765	65649	67849
25°	51896	48286	51136
30°	38600	35219	37804
35°	27563	25671	27143
40°	18660	18885	18435
45°	13883	14614	13883
50°	12057	12057	12057
55°	11710	11110	11710
60°	12056	11022	11711
65°	13040	11410	13040
70°	15610	11582	15610
75°	19963	11978	19963
80°	24795	12893	23803
85°	19760	11856	21736

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 24795 cd/sqm



TEST NUMBER: P1310323

CATALOG NUMBER: LDSQA3D13R159035DE010 3LSQPHRLP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.5	12.6
10°-20°	137.3	24.9
20°-30°	121.3	22.0
30°-40°	79.7	14.4
40°-50°	46.6	8.4
50°-60°	34.3	6.2
60°-70°	29.2	5.3
70°-80°	24.1	4.4
80°-90°	10.0	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°	328.1	59.4
0°-40°	407.8	73.9
0°-60°	488.7	88.5
0°-90°	551.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	551.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	823	823	823	823	823	
5°	770	770	771	772	771	69
15°	496	496	489	495	497	139
25°	273	264	254	261	269	126
35°	131	126	122	125	129	83
45°	57	58	60	58	57	46
55°	39	38	37	38	39	35
65°	32	29	28	29	32	32
75°	30	22	18	23	30	31
85°	10	11	6	10	11	11
90°	0	0	0	0	0	



TEST NUMBER: P1310323

CATALOG NUMBER: LDSQA3D13R159035DE010 3LSQPHRLP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	823.4	823.4	823.4	823.4	823.4
1°	820.4	821.4	821.4	822.4	822.4
2°	812.4	814.4	815.4	815.4	815.4
3°	802.4	803.4	804.4	805.4	805.4
4°	788.4	789.4	789.4	791.4	792.4
5°	770.4	770.4	771.4	772.4	771.4
6°	749.4	749.4	750.4	750.4	750.4
7°	724.4	725.4	726.4	727.4	726.4
8°	697.4	698.4	701.4	701.4	700.4
9°	670.3	671.3	671.3	674.3	674.3
10°	643.3	643.3	641.3	643.3	645.3
12.5°	570.3	569.3	566.3	569.3	571.3
15°	496.3	496.3	489.2	495.3	497.3
17.5°	436.2	427.2	420.2	426.2	431.2
20°	375.2	366.2	358.2	364.2	370.2
22.5°	320.2	313.2	303.2	309.2	316.2
25°	273.1	264.1	254.1	261.1	269.1
27.5°	234.1	222.1	212.1	220.1	227.1
30°	194.1	186.1	177.1	183.1	190.1
32.5°	160.1	154.1	147.1	152.1	158.1
35°	131.1	126.1	122.1	125.1	129.1
37.5°	105.1	103.1	101.1	102.1	102.1
40°	83.0	84.0	84.0	84.0	82.0
42.5°	68.0	69.0	71.0	69.0	68.0
45°	57.0	58.0	60.0	58.0	57.0
47.5°	50.0	51.0	52.0	50.0	50.0
50°	45.0	45.0	45.0	45.0	45.0
52.5°	42.0	41.0	41.0	41.0	42.0
55°	39.0	38.0	37.0	38.0	39.0
57.5°	36.0	35.0	34.0	35.0	36.0
60°	35.0	33.0	32.0	33.0	34.0
62.5°	33.0	31.0	30.0	31.0	33.0
65°	32.0	29.0	28.0	29.0	32.0
67.5°	31.0	27.0	25.0	27.0	31.0
70°	31.0	25.0	23.0	26.0	31.0
72.5°	30.0	24.0	20.0	24.0	30.0
75°	30.0	22.0	18.0	23.0	30.0
77.5°	28.0	20.0	15.0	21.0	28.0
80°	25.0	18.0	13.0	19.0	24.0
82.5°	18.0	15.0	10.0	15.0	18.0
85°	10.0	11.0	6.0	10.0	11.0
87.5°	1.0	3.0	2.0	6.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)