

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: P1316552

Luminaire Tested: LDSQA3D13R159740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316552  
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: LDSQA3D13R159740DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

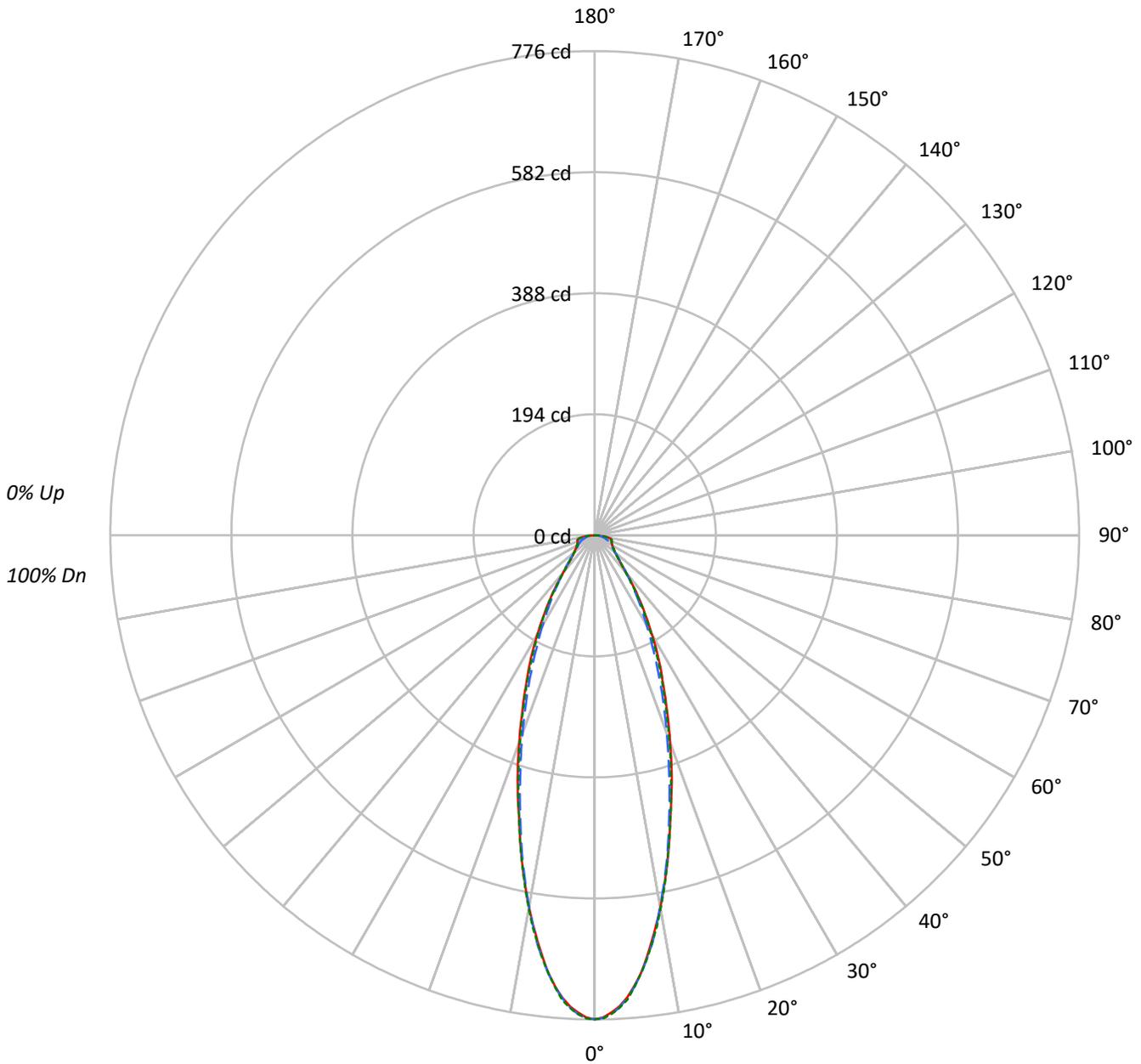
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 520.0 lumens  
Efficiency: N/A  
Efficacy: 35.6 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 (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



0% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



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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°	133593	133593	133593
5°	125459	125632	125632
10°	105977	105645	106309
15°	83354	82178	83515
20°	64770	61837	63908
25°	48894	45492	48172
30°	36353	33171	35617
35°	25965	24178	25566
40°	17581	17806	17379
45°	13079	13785	13079
50°	11360	11360	11360
55°	11050	10479	11050
60°	11367	10402	11022
65°	12307	10758	12307
70°	14704	10927	14704
75°	18831	11312	18831
80°	23406	12199	22414
85°	18575	11263	20551

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 23406 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.4	12.6
10°-20°	129.3	24.9
20°-30°	114.3	22.0
30°-40°	75.1	14.4
40°-50°	43.9	8.4
50°-60°	32.3	6.2
60°-70°	27.5	5.3
70°-80°	22.7	4.4
80°-90°	9.4	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°	309.1	59.4
0°-40°	384.2	73.9
0°-60°	460.3	88.5
0°-90°	520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	520.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	726	726	727	728	727	65
15°	468	468	461	466	468	131
25°	257	249	239	246	254	119
35°	124	119	115	118	122	78
45°	54	55	57	55	54	43
55°	37	36	35	36	37	33
65°	30	27	26	27	30	30
75°	28	21	17	22	28	29
85°	9	10	6	9	10	11
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	775.7	775.7	775.7	775.7	775.7
1°	772.9	773.8	773.8	774.7	774.7
2°	765.3	767.2	768.1	768.1	768.1
3°	755.9	756.8	757.8	758.7	758.7
4°	742.7	743.6	743.6	745.5	746.5
5°	725.7	725.7	726.7	727.6	726.7
6°	705.9	705.9	706.9	706.9	706.9
7°	682.4	683.3	684.3	685.2	684.3
8°	656.9	657.9	660.7	660.7	659.8
9°	631.5	632.4	632.4	635.2	635.2
10°	606.0	606.0	604.1	606.0	607.9
12.5°	537.2	536.3	533.5	536.3	538.2
15°	467.5	467.5	460.9	466.5	468.4
17.5°	410.9	402.5	395.9	401.5	406.2
20°	353.4	345.0	337.4	343.1	348.7
22.5°	301.6	295.0	285.6	291.2	297.8
25°	257.3	248.8	239.4	246.0	253.5
27.5°	220.5	209.2	199.8	207.4	213.9
30°	182.8	175.3	166.8	172.5	179.1
32.5°	150.8	145.1	138.5	143.3	148.9
35°	123.5	118.8	115.0	117.8	121.6
37.5°	99.0	97.1	95.2	96.1	96.1
40°	78.2	79.2	79.2	79.2	77.3
42.5°	64.1	65.0	66.9	65.0	64.1
45°	53.7	54.7	56.6	54.7	53.7
47.5°	47.1	48.1	49.0	47.1	47.1
50°	42.4	42.4	42.4	42.4	42.4
52.5°	39.6	38.6	38.6	38.6	39.6
55°	36.8	35.8	34.9	35.8	36.8
57.5°	33.9	33.0	32.0	33.0	33.9
60°	33.0	31.1	30.2	31.1	32.0
62.5°	31.1	29.2	28.3	29.2	31.1
65°	30.2	27.3	26.4	27.3	30.2
67.5°	29.2	25.4	23.6	25.4	29.2
70°	29.2	23.6	21.7	24.5	29.2
72.5°	28.3	22.6	18.9	22.6	28.3
75°	28.3	20.7	17.0	21.7	28.3
77.5°	26.4	18.9	14.1	19.8	26.4
80°	23.6	17.0	12.3	17.9	22.6
82.5°	17.0	14.1	9.4	14.1	17.0
85°	9.4	10.4	5.7	9.4	10.4
87.5°	0.9	2.8	1.9	5.7	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)