

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: P1316781

Luminaire Tested: LDSQA3D17R459740DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459740DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

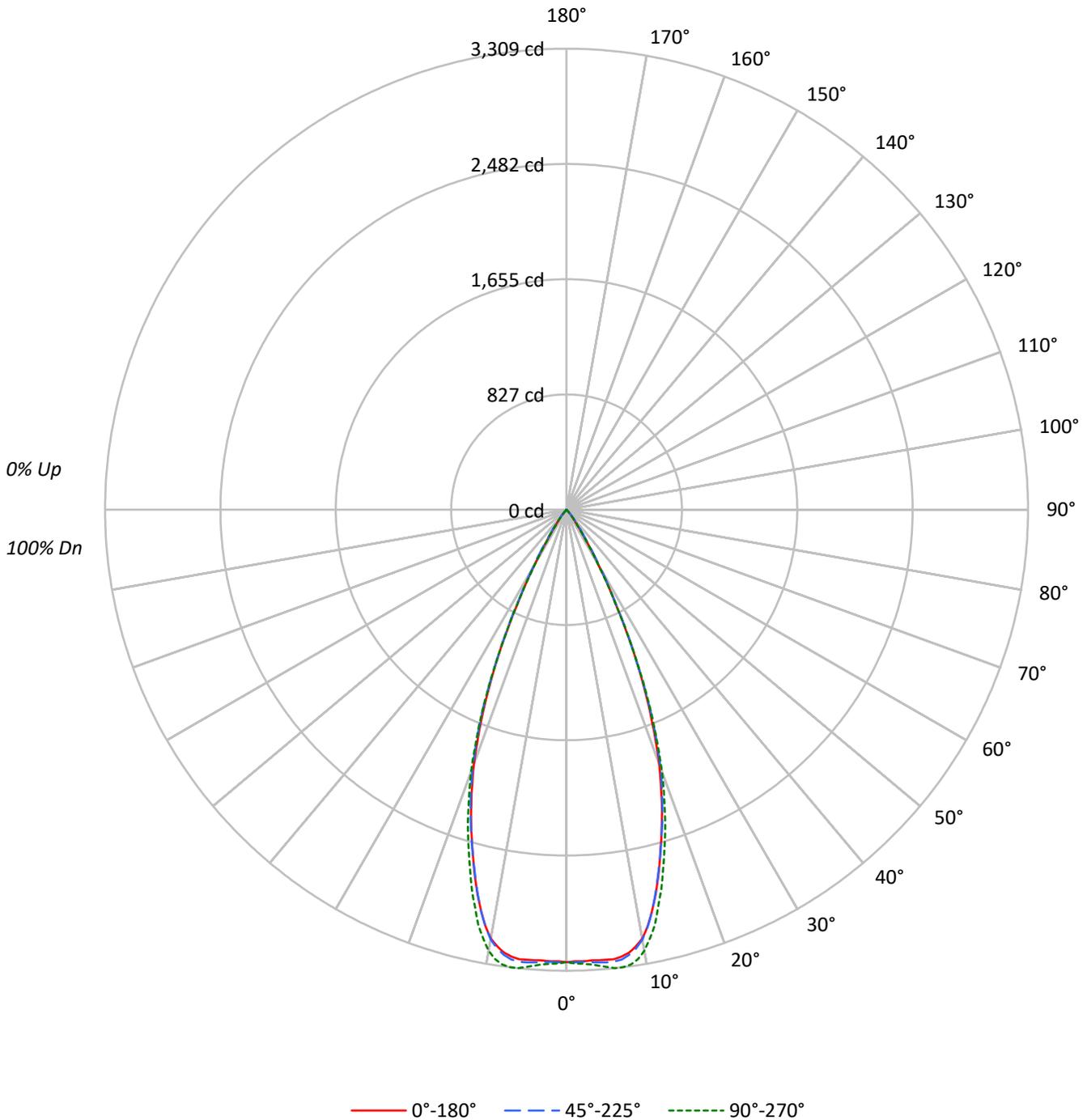
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1679.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	559293	559293	559293
5°	560565	563798	569417
10°	546533	547618	562028
15°	461079	461293	476430
20°	355921	360961	366899
25°	220811	221039	222464
30°	91080	96788	89609
35°	28341	34627	27290
40°	8701	12073	8139
45°	609	4555	609
50°	0	670	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4555 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.1	18.4
10°-20°	718.6	42.8
20°-30°	527.2	31.4
30°-40°	113.3	6.7
40°-50°	10.8	0.6
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1554.9	92.6
0°-40°	1668.2	99.4
0°-60°	1679.0	100.0
0°-90°	1679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1679.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3248	3248	3248	3248	3248	
5°	3242	3251	3261	3284	3294	307
15°	2586	2581	2587	2628	2672	712
25°	1162	1158	1163	1163	1171	521
35°	135	145	165	141	130	106
45°	2	8	19	8	2	6
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3247.5	3247.5	3247.5	3247.5	3247.5
1°	3241.2	3248.7	3248.7	3253.7	3256.2
2°	3243.7	3248.7	3247.5	3256.2	3260.0
3°	3240.0	3248.7	3251.2	3261.2	3267.4
4°	3241.2	3248.7	3256.2	3271.2	3279.9
5°	3242.5	3251.2	3261.2	3283.7	3293.7
6°	3243.7	3250.0	3261.2	3289.9	3308.6
7°	3231.3	3240.0	3252.5	3288.7	3308.6
8°	3211.3	3216.3	3226.3	3273.7	3297.4
9°	3173.8	3172.6	3187.6	3240.0	3267.4
10°	3125.2	3110.2	3131.4	3183.8	3213.8
11°	3046.5	3030.3	3049.0	3105.2	3133.9
12°	2944.2	2944.2	2947.9	2997.9	3047.8
13°	2835.6	2823.1	2830.6	2886.8	2921.7
14°	2715.8	2703.3	2710.8	2753.2	2808.2
15°	2586.0	2581.0	2587.2	2628.4	2672.1
17.5°	2277.7	2266.5	2289.0	2330.1	2352.6
20°	1942.0	1960.7	1969.5	1995.7	2001.9
22.5°	1556.3	1576.3	1588.8	1592.5	1596.3
25°	1162.0	1158.2	1163.2	1163.2	1170.7
27.5°	763.8	763.8	777.5	768.8	760.1
30°	458.0	476.8	486.7	470.5	450.6
32.5°	249.6	268.3	284.6	260.8	243.4
35°	134.8	144.8	164.7	141.0	129.8
37.5°	73.6	82.4	94.9	79.9	73.6
40°	38.7	47.4	53.7	47.4	36.2
42.5°	12.5	23.7	31.2	23.7	11.2
45°	2.5	7.5	18.7	7.5	2.5
47.5°	0.0	1.2	8.7	1.2	0.0
50°	0.0	0.0	2.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)