

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: P1319382

Luminaire Tested: LDSQA3D17R309835DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309835DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

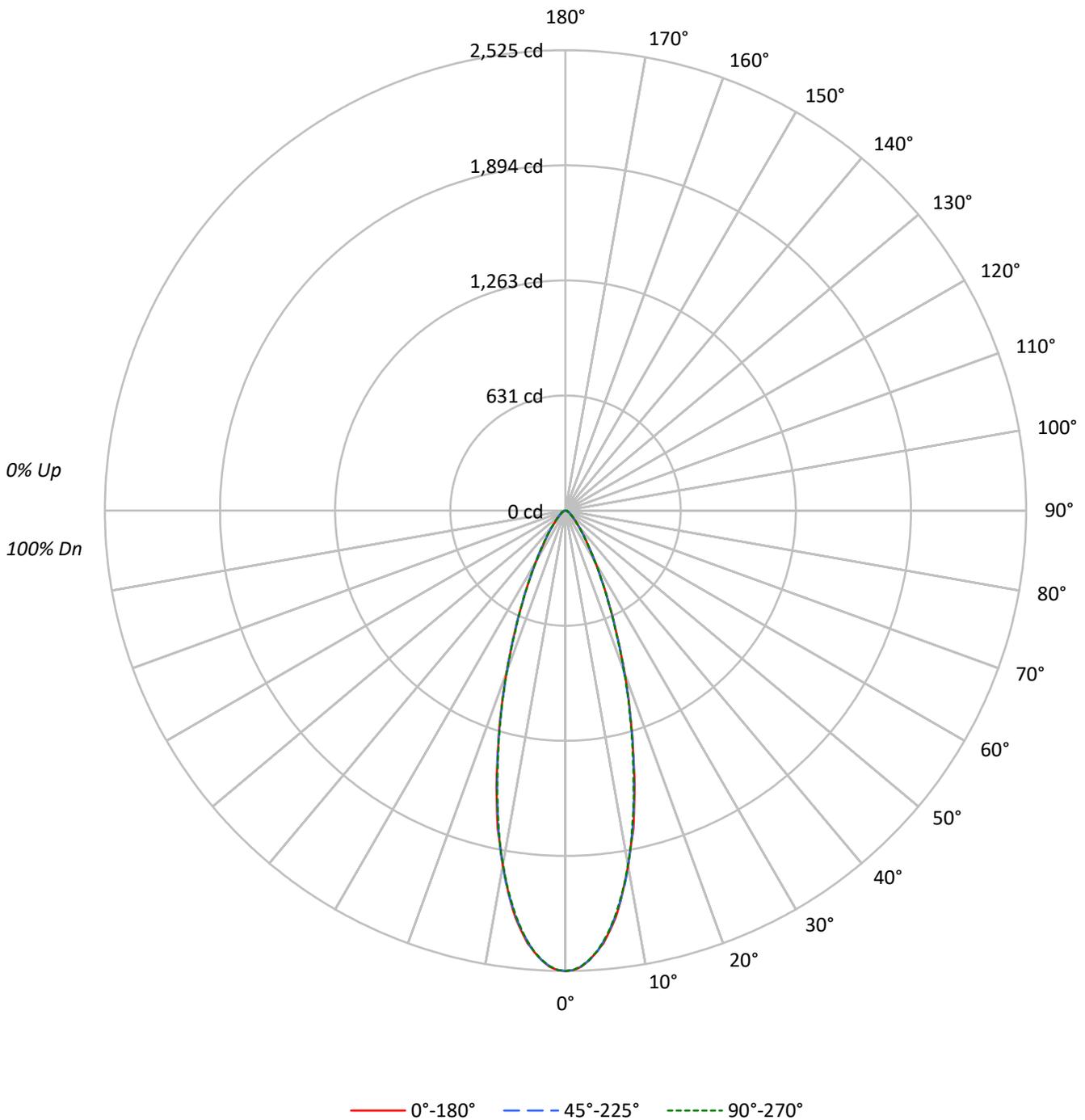
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1109.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (A_{in}): 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	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	85	82	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	74	71	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	434897	434897	434897
5°	411732	410678	410470
10°	345894	345894	344617
15°	257712	257052	255537
20°	172481	171583	171802
25°	106320	106092	106548
30°	63935	63935	64174
35°	39211	39211	39463
40°	24820	24820	25382
45°	17025	17341	17341
50°	12486	12486	12486
55°	9578	9939	9939
60°	8026	8026	8439
65°	7009	7009	7009
70°	6194	6798	6798
75°	5723	5723	5723
80°	4860	4860	4860
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 17341 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	19.3
10°-20°	395.3	35.6
20°-30°	262.8	23.7
30°-40°	121.5	11.0
40°-50°	56.4	5.1
50°-60°	30.1	2.7
60°-70°	17.6	1.6
70°-80°	9.3	0.8
80°-90°	2.0	0.2
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°	872.1	78.6
0°-40°	993.6	89.6
0°-60°	1080.1	97.4
0°-90°	1109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1109.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2525	2525	2525	2525	2525	
5°	2382	2377	2376	2382	2374	214
15°	1445	1450	1442	1442	1433	397
25°	560	558	558	558	561	263
35°	186	185	186	188	188	121
45°	70	70	71	71	71	56
55°	32	33	33	33	33	30
65°	17	17	17	17	17	17
75°	9	9	9	9	9	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2525.2	2525.2	2525.2	2525.2	2525.2
1°	2520.3	2517.8	2520.3	2524.0	2519.1
2°	2503.1	2500.7	2500.7	2505.6	2500.7
3°	2470.0	2472.4	2471.2	2476.1	2467.5
4°	2428.3	2427.0	2431.9	2434.4	2427.0
5°	2381.6	2376.7	2375.5	2381.6	2374.3
6°	2317.8	2314.2	2311.7	2319.1	2309.2
7°	2249.1	2246.7	2243.0	2245.4	2238.1
8°	2164.5	2163.2	2160.8	2163.2	2154.6
9°	2070.0	2070.0	2074.9	2073.7	2068.7
10°	1977.9	1980.4	1977.9	1980.4	1970.6
11°	1874.9	1874.9	1877.3	1876.1	1877.3
12°	1785.3	1775.5	1773.0	1770.6	1763.2
13°	1670.0	1662.6	1660.2	1662.6	1658.9
14°	1564.4	1559.5	1547.3	1549.7	1544.8
15°	1445.4	1450.3	1441.7	1441.7	1433.2
17.5°	1181.6	1176.7	1179.2	1180.4	1176.7
20°	941.1	938.7	936.2	933.8	937.4
22.5°	731.3	732.5	730.1	727.6	725.2
25°	559.5	558.3	558.3	558.3	560.7
27.5°	424.5	424.5	424.5	425.8	425.8
30°	321.5	319.0	321.5	322.7	322.7
32.5°	240.5	242.9	244.2	244.2	244.2
35°	186.5	185.3	186.5	187.7	187.7
37.5°	142.3	142.3	143.6	143.6	144.8
40°	110.4	110.4	110.4	111.7	112.9
42.5°	87.1	87.1	88.3	88.3	89.6
45°	69.9	69.9	71.2	71.2	71.2
47.5°	56.4	56.4	57.7	57.7	57.7
50°	46.6	46.6	46.6	46.6	46.6
52.5°	39.3	38.0	39.3	39.3	39.3
55°	31.9	33.1	33.1	33.1	33.1
57.5°	27.0	28.2	28.2	28.2	28.2
60°	23.3	23.3	23.3	24.5	24.5
62.5°	19.6	20.9	20.9	20.9	20.9
65°	17.2	17.2	17.2	17.2	17.2
67.5°	14.7	14.7	14.7	14.7	16.0
70°	12.3	12.3	13.5	13.5	13.5
72.5°	11.0	11.0	11.0	11.0	11.0
75°	8.6	8.6	8.6	8.6	8.6
77.5°	6.1	6.1	7.4	7.4	6.1
80°	4.9	4.9	4.9	4.9	4.9
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.2	1.2
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)