

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: P1320470

Luminaire Tested: LDSQA3D20R609840D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R609840D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

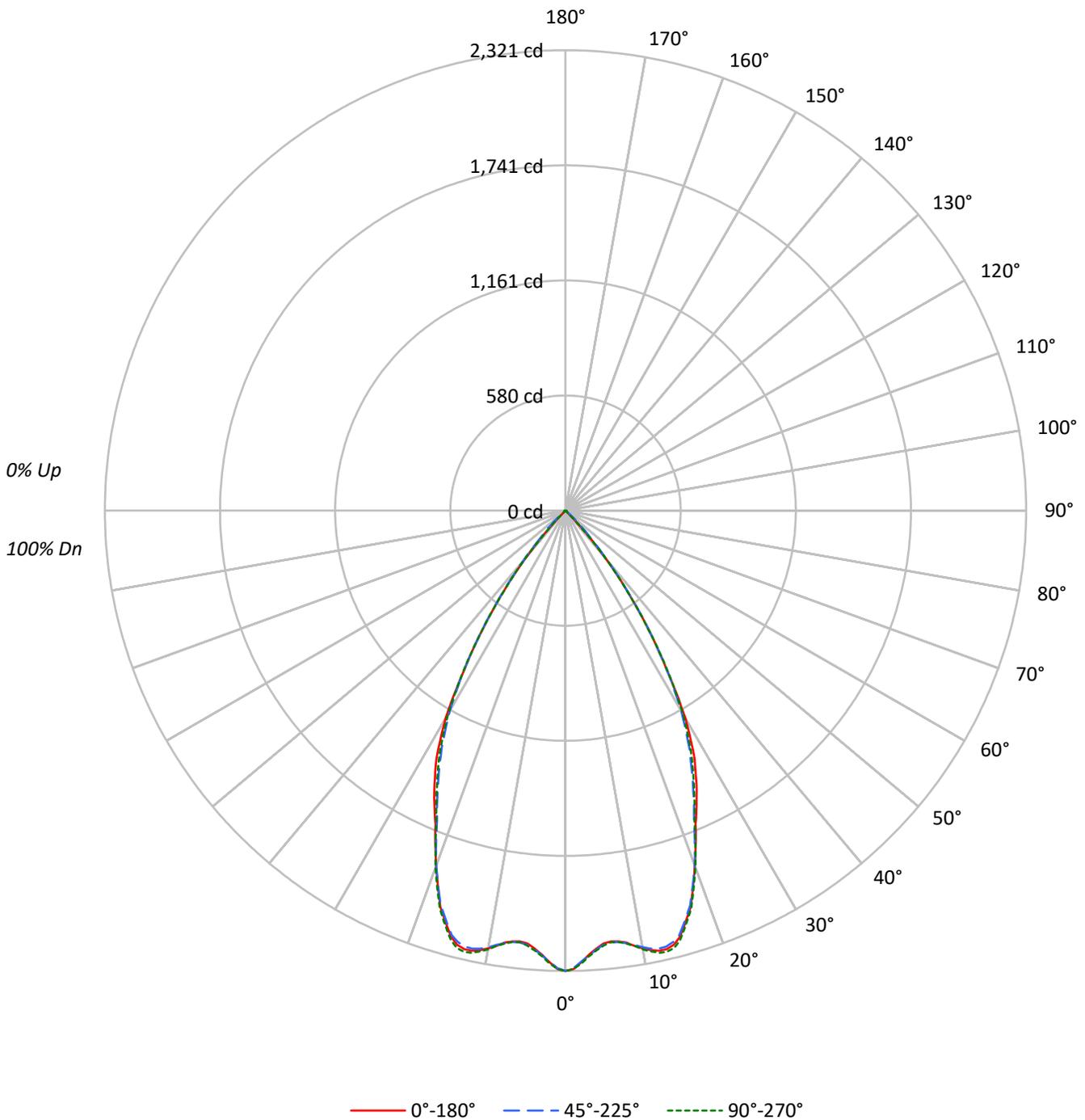
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2070.0 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	399694	399694	399694
5°	378816	379939	380493
10°	391975	390838	392832
15°	396749	395019	399067
20°	349360	349067	350844
25°	297297	288669	291140
30°	239931	231559	235437
35°	151860	153227	151524
40°	70998	73921	72100
45°	4335	26037	5139
50°	2170	6082	2170
55°	2432	2432	2432
60°	2239	2239	2239
65°	1997	2649	1997
70°	2467	2467	2467
75°	2129	2129	2129
80°	1587	1587	1587
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 26037 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.5	10.2
10°-20°	609.2	29.4
20°-30°	702.2	33.9
30°-40°	450.9	21.8
40°-50°	78.4	3.8
50°-60°	7.5	0.4
60°-70°	5.7	0.3
70°-80°	3.4	0.2
80°-90°	1.1	0.1
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°	1522.9	73.6
0°-40°	1973.9	95.4
0°-60°	2059.8	99.5
0°-90°	2070.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2070.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2321	2321	2321	2321	2321	
5°	2191	2196	2198	2202	2201	211
15°	2225	2217	2216	2230	2238	610
25°	1564	1547	1519	1521	1532	713
35°	722	717	729	714	721	451
45°	18	53	107	63	21	59
55°	8	8	8	8	8	7
65°	5	6	6	6	5	5
75°	3	3	3	3	3	3
85°	2	2	2	2	2	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2320.8	2320.8	2320.8	2320.8	2320.8
1°	2311.0	2309.4	2307.8	2309.4	2311.0
2°	2278.7	2277.0	2275.4	2281.9	2285.1
3°	2243.0	2244.6	2246.3	2249.5	2251.1
4°	2213.9	2217.1	2218.7	2222.0	2223.6
5°	2191.2	2196.1	2197.7	2202.5	2200.9
6°	2184.7	2188.0	2189.6	2191.2	2188.0
7°	2188.0	2189.6	2191.2	2194.4	2191.2
8°	2199.3	2200.9	2202.5	2204.2	2204.2
9°	2222.0	2218.7	2217.1	2223.6	2222.0
10°	2241.4	2236.6	2234.9	2244.6	2246.3
11°	2257.6	2251.1	2249.5	2260.8	2264.1
12°	2268.9	2259.2	2257.6	2272.2	2278.7
13°	2268.9	2256.0	2256.0	2272.2	2281.9
14°	2256.0	2241.4	2241.4	2259.2	2270.6
15°	2225.2	2217.1	2215.5	2230.1	2238.2
17.5°	2095.7	2085.9	2087.6	2103.8	2105.4
20°	1906.2	1901.3	1904.6	1907.8	1914.3
22.5°	1713.4	1710.2	1692.4	1697.3	1700.5
25°	1564.5	1546.6	1519.1	1520.7	1532.1
27.5°	1407.4	1389.5	1350.7	1358.8	1370.1
30°	1206.5	1192.0	1164.4	1169.3	1183.9
32.5°	947.4	976.6	950.7	958.8	953.9
35°	722.3	717.4	728.8	714.2	720.7
37.5°	508.5	510.1	515.0	502.0	502.0
40°	315.8	323.9	328.8	322.3	320.7
42.5°	132.8	181.4	191.1	181.4	134.4
45°	17.8	53.4	106.9	63.2	21.1
47.5°	8.1	11.3	56.7	11.3	8.1
50°	8.1	8.1	22.7	8.1	8.1
52.5°	8.1	8.1	8.1	8.1	8.1
55°	8.1	8.1	8.1	8.1	8.1
57.5°	8.1	8.1	8.1	8.1	8.1
60°	6.5	6.5	6.5	6.5	6.5
62.5°	6.5	6.5	6.5	6.5	6.5
65°	4.9	6.5	6.5	6.5	4.9
67.5°	4.9	4.9	4.9	4.9	4.9
70°	4.9	4.9	4.9	4.9	4.9
72.5°	3.2	3.2	3.2	3.2	3.2
75°	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	3.2	3.2	3.2
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6
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)