

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: P1312896

Luminaire Tested: LDSQA3D20R409050D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R409050D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

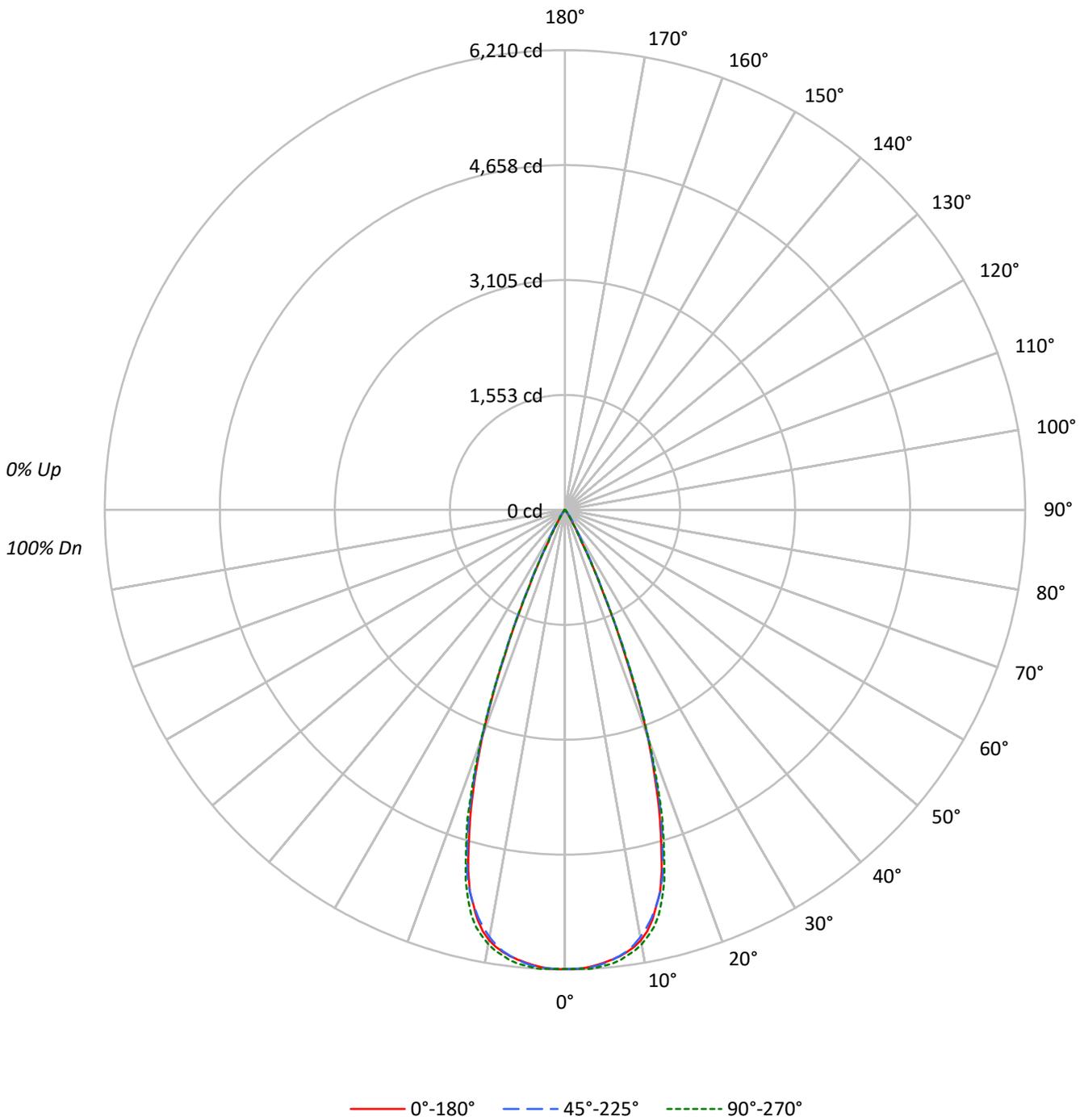
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2624.9 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96		
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92		
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	88		
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	85		
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82		
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79		
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76		
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	73		
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	71		
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	68		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1068176	1068176	1068176
5°	1061089	1062696	1068436
10°	1032366	1024619	1041722
15°	899496	908714	922870
20°	599146	602207	607943
25°	217828	224497	218892
30°	46256	62046	46256
35°	16294	27563	15516
40°	5800	8723	5800
45°	1340	3605	1340
50°	991	1474	991
55°	1111	1111	1111
60°	1274	1274	1274
65°	734	1508	734
70°	906	906	906
75°	1198	1198	1198
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3605 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	579.5	22.1
10°-20°	1350.6	51.5
20°-30°	607.9	23.2
30°-40°	69.2	2.6
40°-50°	9.9	0.4
50°-60°	3.4	0.1
60°-70°	2.8	0.1
70°-80°	1.7	0.1
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°	2538.0	96.7
0°-40°	2607.2	99.3
0°-60°	2620.5	99.8
0°-90°	2624.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2624.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6202	6202	6202	6202	6202	
5°	6138	6130	6147	6175	6180	579
15°	5045	5058	5097	5137	5176	1340
25°	1146	1154	1181	1181	1152	593
35°	78	87	131	83	74	58
45°	6	9	15	9	6	7
55°	4	4	4	4	4	3
65°	2	4	4	4	2	2
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6202.3	6202.3	6202.3	6202.3	6202.3
1°	6206.0	6200.5	6198.6	6209.7	6200.5
2°	6200.5	6196.8	6198.6	6209.7	6202.3
3°	6183.9	6185.7	6191.3	6211.6	6209.7
4°	6163.6	6161.7	6172.8	6198.6	6198.6
5°	6137.7	6130.3	6147.0	6174.6	6180.2
6°	6108.2	6099.0	6111.9	6147.0	6159.9
7°	6075.0	6056.5	6067.6	6110.0	6126.7
8°	6030.7	6006.7	6019.6	6062.0	6075.0
9°	5975.3	5938.4	5949.4	6001.1	6027.0
10°	5903.3	5857.1	5859.0	5916.2	5956.8
11°	5801.8	5750.1	5751.9	5823.9	5866.4
12°	5667.0	5620.9	5630.1	5696.5	5764.8
13°	5484.3	5471.3	5482.4	5554.4	5617.2
14°	5307.1	5294.1	5314.4	5380.9	5410.4
15°	5044.9	5057.9	5096.6	5137.2	5176.0
17.5°	4214.3	4264.1	4310.3	4337.9	4371.2
20°	3269.1	3211.9	3285.8	3252.5	3317.1
22.5°	2109.9	2152.4	2170.8	2152.4	2159.7
25°	1146.3	1153.7	1181.4	1181.4	1151.9
27.5°	487.3	526.1	561.2	548.2	487.3
30°	232.6	267.7	312.0	269.5	232.6
32.5°	131.1	155.1	201.2	151.4	127.4
35°	77.5	86.8	131.1	83.1	73.8
37.5°	46.1	48.0	72.0	49.8	44.3
40°	25.8	31.4	38.8	31.4	25.8
42.5°	12.9	18.5	24.0	18.5	12.9
45°	5.5	9.2	14.8	9.2	5.5
47.5°	5.5	5.5	9.2	5.5	5.5
50°	3.7	3.7	5.5	3.7	3.7
52.5°	3.7	3.7	3.7	3.7	3.7
55°	3.7	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	3.7	3.7	3.7
60°	3.7	3.7	3.7	3.7	3.7
62.5°	3.7	3.7	3.7	3.7	3.7
65°	1.8	3.7	3.7	3.7	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
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)