

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: P1320400

Luminaire Tested: LDSQA3D20R309840D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309840D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

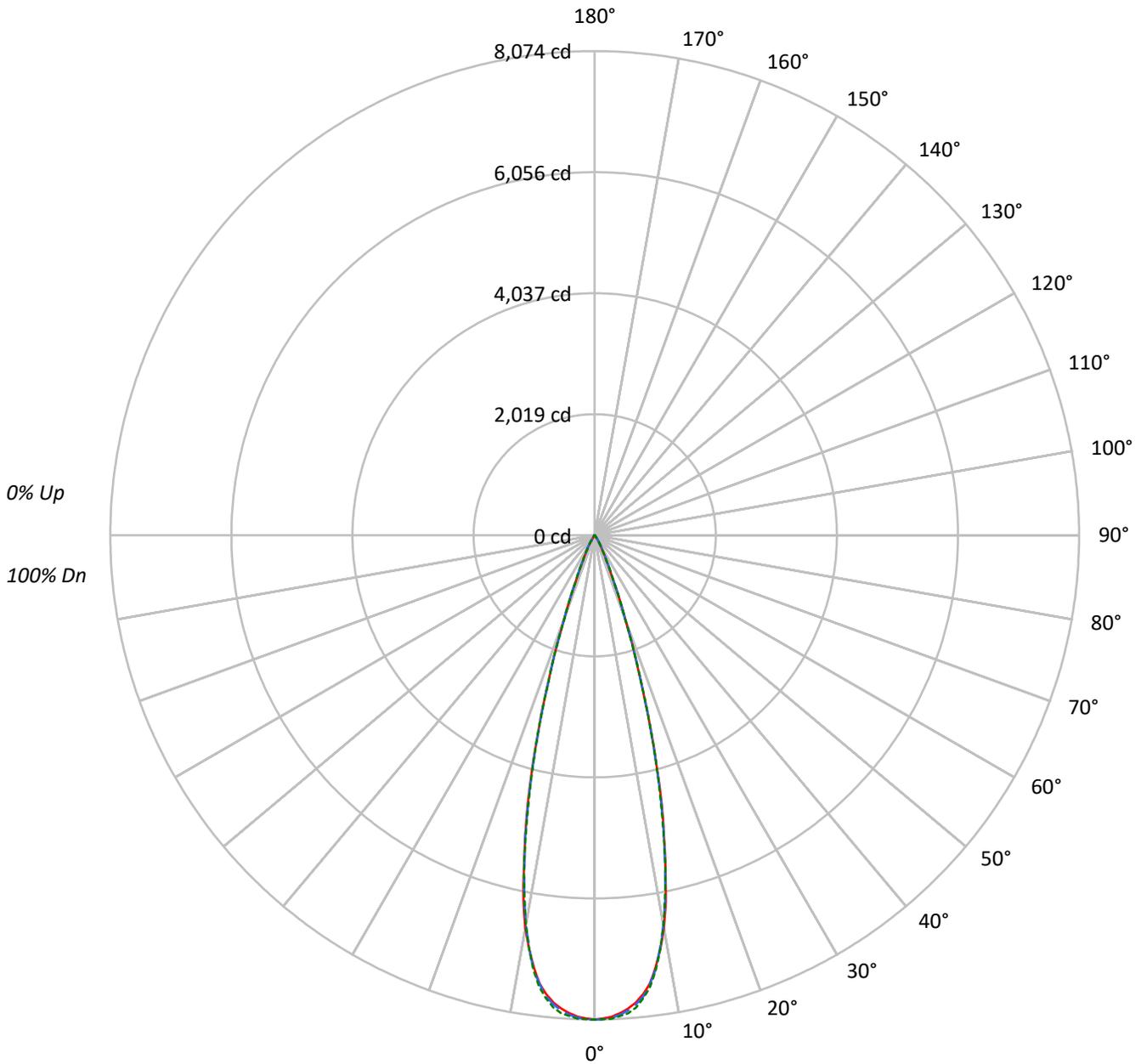
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2099.9 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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



— 0°-180° - - 45°-225° ···· 90°-270°



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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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1390612	1390612	1390612
5°	1352513	1358391	1366793
10°	1163018	1153103	1154239
15°	714636	708859	709430
20°	271981	272567	267527
25°	86500	91118	86823
30°	34801	43174	35756
35°	11248	19069	11248
40°	5103	8386	5103
45°	1973	3556	1973
50°	857	1742	857
55°	961	961	961
60°	1102	1102	1102
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3556 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.2	33.9
10°-20°	1056.6	50.3
20°-30°	262.5	12.5
30°-40°	52.4	2.5
40°-50°	9.5	0.5
50°-60°	3.0	0.1
60°-70°	2.2	0.1
70°-80°	1.5	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°	2031.4	96.7
0°-40°	2083.8	99.2
0°-60°	2096.3	99.8
0°-90°	2099.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2099.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8074	8074	8074	8074	8074	
5°	7823	7849	7857	7869	7906	711
15°	4008	4016	3976	3989	3979	1061
25°	455	465	480	473	457	255
35°	54	70	91	68	54	43
45°	8	10	15	11	8	7
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
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°	8074.5	8074.5	8074.5	8074.5	8074.5
1°	8056.7	8066.4	8072.9	8072.9	8072.9
2°	8034.0	8040.4	8050.2	8051.8	8064.8
3°	7980.5	7995.1	8011.3	8021.0	8027.5
4°	7915.7	7935.1	7944.9	7969.2	7990.2
5°	7823.4	7849.3	7857.4	7868.7	7906.0
6°	7698.6	7718.1	7734.3	7739.1	7761.8
7°	7533.4	7543.1	7539.8	7547.9	7588.4
8°	7282.3	7285.5	7313.0	7295.2	7322.8
9°	6984.2	6971.2	6964.7	6977.7	6979.3
10°	6650.4	6606.7	6593.7	6582.4	6600.2
11°	6217.9	6161.2	6166.0	6162.8	6136.9
12°	5680.0	5673.5	5631.4	5639.5	5678.4
13°	5130.8	5142.1	5134.0	5143.7	5100.0
14°	4615.6	4560.5	4575.1	4520.0	4541.1
15°	4008.1	4016.2	3975.7	3988.6	3978.9
17.5°	2566.2	2584.0	2571.1	2559.7	2577.5
20°	1484.0	1482.4	1487.2	1472.7	1459.7
22.5°	780.9	792.2	806.8	808.4	818.1
25°	455.2	465.0	479.5	473.1	456.9
27.5°	278.7	296.5	319.2	303.0	283.5
30°	175.0	189.5	217.1	191.2	179.8
32.5°	98.8	119.9	142.6	119.9	98.8
35°	53.5	69.7	90.7	68.0	53.5
37.5°	35.6	40.5	59.9	40.5	35.6
40°	22.7	27.5	37.3	27.5	22.7
42.5°	13.0	17.8	21.1	17.8	13.0
45°	8.1	9.7	14.6	11.3	8.1
47.5°	3.2	4.9	9.7	4.9	4.9
50°	3.2	3.2	6.5	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
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)