

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: P1311801

Luminaire Tested: LDSQA3D20R359040D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R359040D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

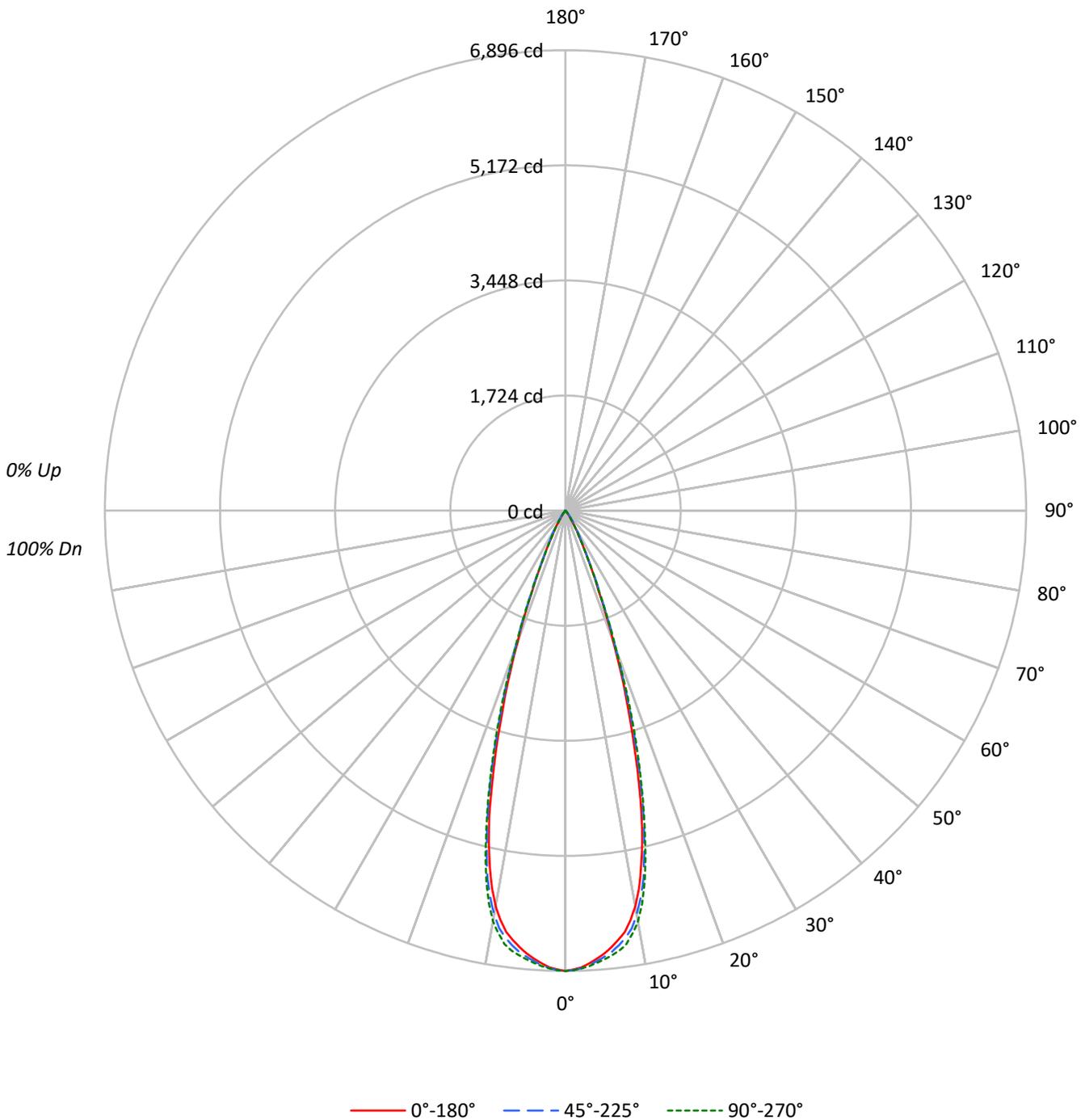
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2296.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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 (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	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1187630	1187630	1187630
5°	1151609	1159786	1166062
10°	1052337	1074599	1093049
15°	756786	789842	796332
20°	385282	404617	405625
25°	146169	149285	145142
30°	56776	65825	55324
35°	19490	30591	18354
40°	6542	11848	6138
45°	438	3994	438
50°	0	482	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: 3994 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.2	27.2
10°-20°	1163.0	50.7
20°-30°	418.0	18.2
30°-40°	81.6	3.6
40°-50°	9.1	0.4
50°-60°	0.0	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°	2205.3	96.0
0°-40°	2286.9	99.6
0°-60°	2296.0	100.0
0°-90°	2296.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2296.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6896	6896	6896	6896	6896	
5°	6661	6680	6709	6740	6745	617
15°	4244	4315	4430	4461	4466	1128
25°	769	776	786	780	764	403
35°	93	106	146	107	87	69
45°	2	6	16	6	2	5
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°	6895.9	6895.9	6895.9	6895.9	6895.9
1°	6875.9	6885.0	6886.8	6899.5	6885.0
2°	6846.8	6852.2	6859.5	6870.4	6863.1
3°	6790.4	6801.3	6817.7	6832.2	6832.2
4°	6730.4	6744.9	6764.9	6790.4	6788.6
5°	6661.3	6679.5	6708.6	6739.5	6744.9
6°	6574.0	6595.8	6643.1	6686.7	6694.0
7°	6481.3	6514.0	6559.4	6623.1	6639.5
8°	6372.1	6397.6	6463.1	6537.6	6555.8
9°	6212.1	6250.3	6333.9	6403.1	6414.0
10°	6017.5	6044.8	6144.8	6217.6	6250.3
11°	5766.6	5806.6	5904.8	5979.3	6001.2
12°	5446.5	5504.7	5619.3	5673.8	5692.0
13°	5101.0	5150.1	5239.2	5306.5	5321.0
14°	4711.8	4759.1	4851.8	4906.4	4893.7
15°	4244.5	4315.4	4429.9	4460.9	4466.3
17.5°	3135.2	3180.6	3282.5	3331.6	3366.1
20°	2102.2	2145.9	2207.7	2240.4	2213.2
22.5°	1278.4	1314.8	1347.5	1345.7	1336.6
25°	769.2	776.5	785.6	780.2	763.8
27.5°	449.2	469.2	496.5	478.3	451.0
30°	285.5	301.9	331.0	300.1	278.2
32.5°	150.9	190.9	221.9	180.0	158.2
35°	92.7	105.5	145.5	107.3	87.3
37.5°	56.4	65.5	90.9	63.6	50.9
40°	29.1	41.8	52.7	38.2	27.3
42.5°	9.1	20.0	29.1	18.2	9.1
45°	1.8	5.5	16.4	5.5	1.8
47.5°	0.0	0.0	7.3	1.8	0.0
50°	0.0	0.0	1.8	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)