

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: P1312802

Luminaire Tested: LDSQA3D17R709050DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709050DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

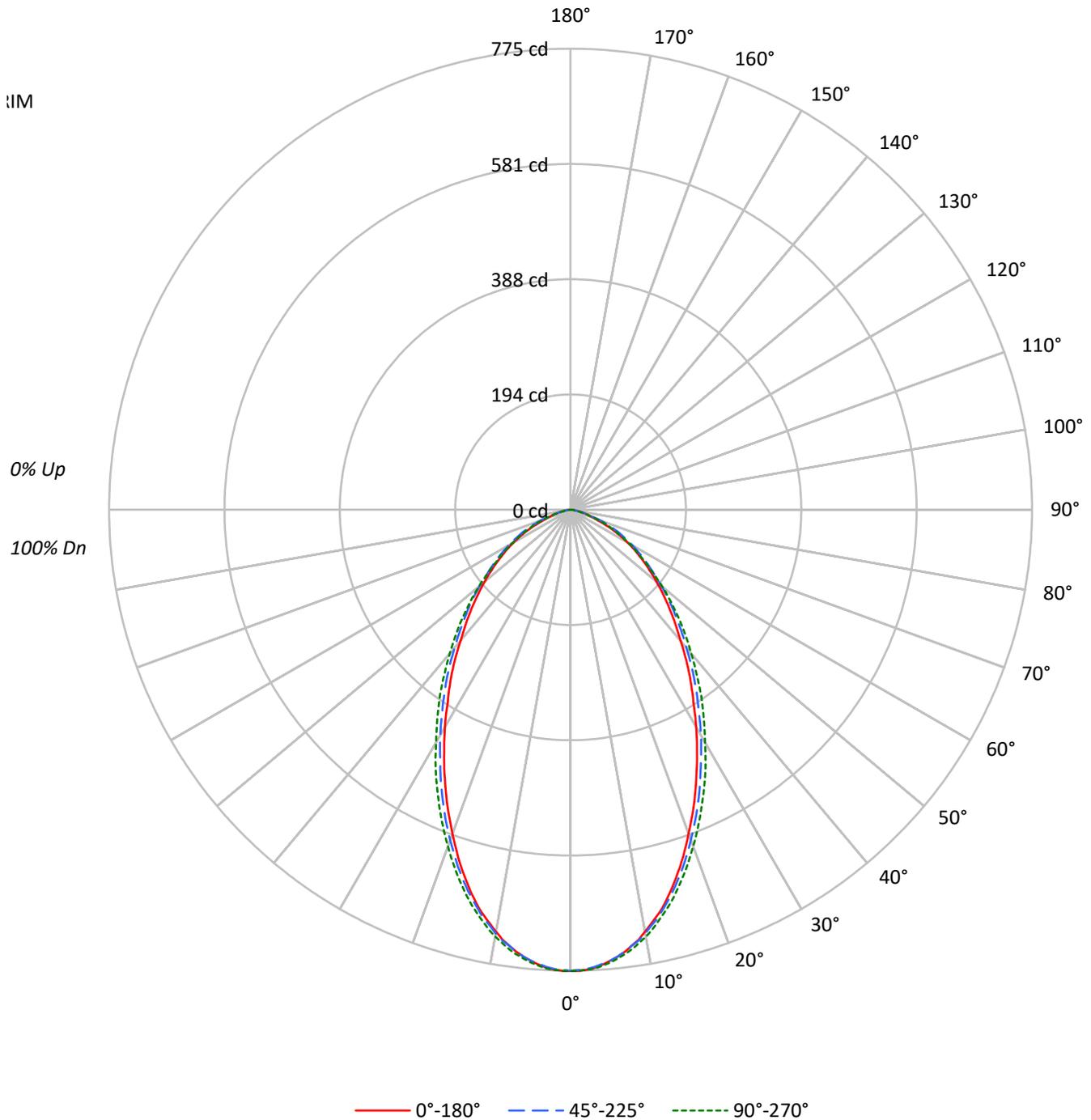
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1164.0 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	133507	133507	133507
5°	131579	131579	132081
10°	125966	126473	127452
15°	117391	118408	119905
20°	106226	108297	110369
25°	94918	97579	100258
30°	83941	87024	89808
35°	73943	77202	80461
40°	64524	68008	70841
45°	57237	60305	62376
50°	50505	53157	53908
55°	44349	46901	45610
60°	38268	41196	39267
65°	30401	35535	32112
70°	21955	27645	24069
75°	16835	17767	14972
80°	11207	11207	8331
85°	5533	5533	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 62376 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	6.1
10°-20°	185.5	15.9
20°-30°	235.7	20.3
30°-40°	229.3	19.7
40°-50°	190.7	16.4
50°-60°	137.5	11.8
60°-70°	80.9	7.0
70°-80°	28.7	2.5
80°-90°	4.2	0.4
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°	492.7	42.3
0°-40°	722.0	62.0
0°-60°	1050.2	90.2
0°-90°	1164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	775	775	775	775	775	
5°	761	760	761	761	764	71
15°	658	658	664	668	672	184
25°	500	505	514	523	528	229
35°	352	356	367	377	383	220
45°	235	239	248	253	256	182
55°	148	152	156	155	152	133
65°	75	80	87	83	79	74
75°	25	27	27	24	22	28
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	775.2	775.2	775.2	775.2	775.2
1°	775.2	773.8	773.8	773.8	775.2
2°	773.8	772.4	772.4	772.4	773.8
3°	771.0	769.6	769.6	769.6	772.4
4°	766.8	764.0	765.4	765.4	768.2
5°	761.1	759.7	761.1	761.1	764.0
6°	755.5	754.1	755.5	755.5	758.3
7°	748.5	747.1	748.5	749.9	752.7
8°	740.0	738.6	740.0	741.4	745.7
9°	731.6	730.2	733.0	734.4	737.2
10°	720.3	720.3	723.2	724.6	728.8
11°	709.1	709.1	711.9	714.7	718.9
12°	697.8	697.8	702.1	704.9	707.7
13°	686.6	685.2	689.4	692.2	696.4
14°	672.5	671.1	676.7	680.9	685.2
15°	658.4	658.4	664.1	668.3	672.5
17.5°	620.5	621.9	628.9	634.5	638.7
20°	579.6	583.9	590.9	597.9	602.2
22.5°	540.3	543.1	552.9	561.4	565.6
25°	499.5	505.1	513.5	523.4	527.6
27.5°	460.1	465.7	474.1	484.0	491.0
30°	422.1	426.3	437.6	447.4	451.6
32.5°	384.1	389.7	401.0	410.8	416.4
35°	351.7	355.9	367.2	377.1	382.7
37.5°	319.4	323.6	334.8	343.3	347.5
40°	287.0	294.0	302.5	310.9	315.1
42.5°	260.3	265.9	274.3	281.4	285.6
45°	235.0	239.2	247.6	253.2	256.1
47.5°	211.0	215.3	223.7	226.5	227.9
50°	188.5	192.7	198.4	199.8	201.2
52.5°	167.4	170.2	175.9	175.9	174.5
55°	147.7	151.9	156.2	154.8	151.9
57.5°	129.4	130.8	137.9	135.1	132.3
60°	111.1	114.0	119.6	116.8	114.0
62.5°	92.9	95.7	102.7	99.9	95.7
65°	74.6	80.2	87.2	83.0	78.8
67.5°	56.3	63.3	70.3	66.1	63.3
70°	43.6	49.2	54.9	50.6	47.8
72.5°	33.8	36.6	39.4	36.6	33.8
75°	25.3	26.7	26.7	23.9	22.5
77.5°	18.3	19.7	16.9	14.1	14.1
80°	11.3	12.7	11.3	8.4	8.4
82.5°	5.6	7.0	5.6	5.6	5.6
85°	2.8	2.8	2.8	2.8	2.8
87.5°	1.4	1.4	1.4	1.4	1.4



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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)