

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: P1309362

Luminaire Tested: LDSQA3D17R159030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R159030DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

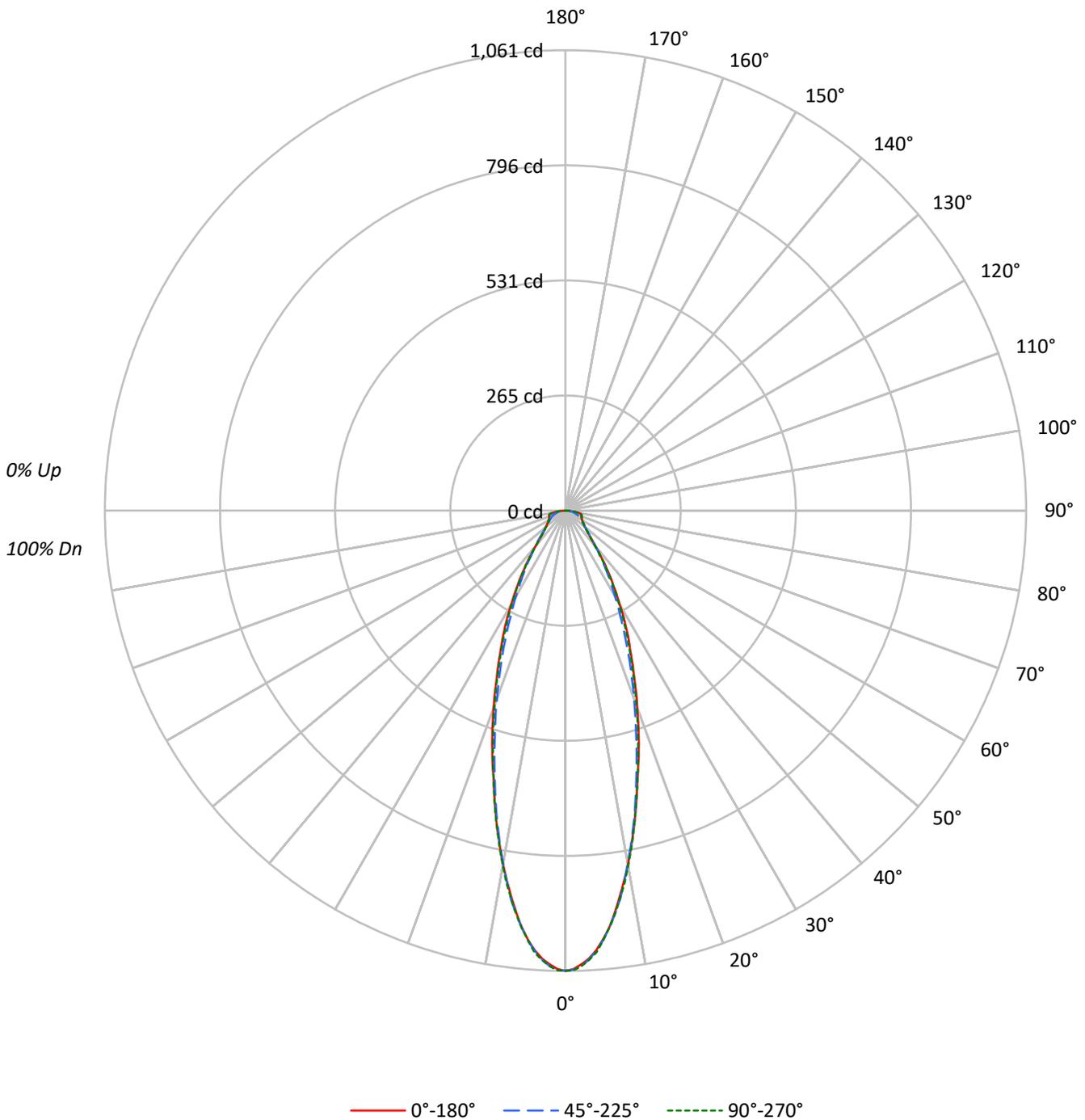
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 711.0 lumens
Efficiency: N/A
Efficacy: 33.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
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 (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	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	74	74	74	73
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	63	63	63	61
6	82	72	65	60	81	71	65	60	70	64	60	68	63	59	67	62	59	59	59	59	57
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	55	55	55	53
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	52	52	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	49	49	49	47
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	49	46	46	46	46	45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	182659	182659	182659
5°	171549	171774	171774
10°	144905	144468	145360
15°	113968	112363	114200
20°	88577	84563	87386
25°	66851	62196	65882
30°	49716	45361	48702
35°	35489	33051	34943
40°	24056	24348	23764
45°	17902	18827	17902
50°	15540	15540	15540
55°	15103	14322	15103
60°	15534	14191	15087
65°	16790	14711	16790
70°	20091	14905	20091
75°	25752	15438	25752
80°	31936	16662	30646
85°	25491	15215	28060

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 31936 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	12.6
10°-20°	176.8	24.9
20°-30°	156.3	22.0
30°-40°	102.7	14.4
40°-50°	60.0	8.4
50°-60°	44.2	6.2
60°-70°	37.6	5.3
70°-80°	31.0	4.4
80°-90°	12.9	1.8
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°	422.6	59.4
0°-40°	525.3	73.9
0°-60°	629.4	88.5
0°-90°	711.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	992	992	994	995	994	89
15°	639	639	630	638	640	179
25°	352	340	327	336	347	163
35°	169	162	157	161	166	106
45°	74	75	77	75	74	59
55°	50	49	48	49	50	45
65°	41	37	36	37	41	41
75°	39	28	23	30	39	40
85°	13	14	8	13	14	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1060.6	1060.6	1060.6	1060.6	1060.6
1°	1056.7	1058.0	1058.0	1059.3	1059.3
2°	1046.4	1049.0	1050.3	1050.3	1050.3
3°	1033.5	1034.8	1036.1	1037.4	1037.4
4°	1015.5	1016.8	1016.8	1019.4	1020.6
5°	992.3	992.3	993.6	994.9	993.6
6°	965.2	965.2	966.5	966.5	966.5
7°	933.0	934.3	935.6	936.9	935.6
8°	898.2	899.5	903.4	903.4	902.1
9°	863.4	864.7	864.7	868.6	868.6
10°	828.6	828.6	826.1	828.6	831.2
12.5°	734.6	733.3	729.4	733.3	735.8
15°	639.2	639.2	630.2	637.9	640.5
17.5°	561.9	550.3	541.3	549.0	555.4
20°	483.3	471.7	461.4	469.1	476.8
22.5°	412.4	403.4	390.5	398.2	407.2
25°	351.8	340.2	327.3	336.3	346.7
27.5°	301.6	286.1	273.2	283.5	292.5
30°	250.0	239.7	228.1	235.8	244.9
32.5°	206.2	198.5	189.4	195.9	203.6
35°	168.8	162.4	157.2	161.1	166.2
37.5°	135.3	132.7	130.2	131.4	131.4
40°	107.0	108.3	108.3	108.3	105.7
42.5°	87.6	88.9	91.5	88.9	87.6
45°	73.5	74.7	77.3	74.7	73.5
47.5°	64.4	65.7	67.0	64.4	64.4
50°	58.0	58.0	58.0	58.0	58.0
52.5°	54.1	52.8	52.8	52.8	54.1
55°	50.3	49.0	47.7	49.0	50.3
57.5°	46.4	45.1	43.8	45.1	46.4
60°	45.1	42.5	41.2	42.5	43.8
62.5°	42.5	39.9	38.7	39.9	42.5
65°	41.2	37.4	36.1	37.4	41.2
67.5°	39.9	34.8	32.2	34.8	39.9
70°	39.9	32.2	29.6	33.5	39.9
72.5°	38.7	30.9	25.8	30.9	38.7
75°	38.7	28.4	23.2	29.6	38.7
77.5°	36.1	25.8	19.3	27.1	36.1
80°	32.2	23.2	16.8	24.5	30.9
82.5°	23.2	19.3	12.9	19.3	23.2
85°	12.9	14.2	7.7	12.9	14.2
87.5°	1.3	3.9	2.6	7.7	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)