

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: P1309205

Luminaire Tested: LDSQA3D13R159030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309205
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: LDSQA3D13R159030DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

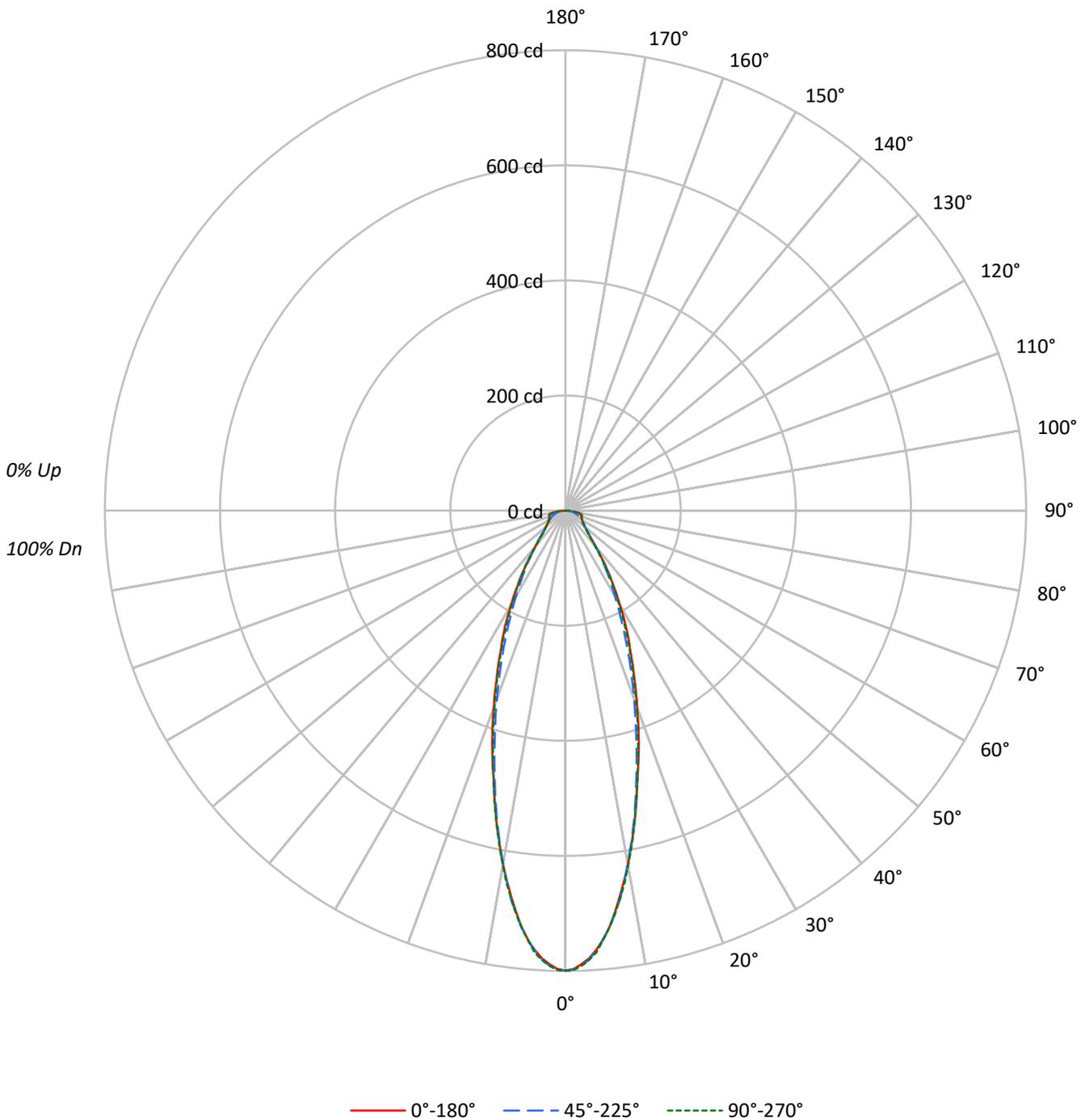
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 536.0 lumens
Efficiency: N/A
Efficacy: 36.7 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): 14.6
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

TEST NUMBER: P1309205
CATALOG NUMBER: LDSQA3D13R159030DE010 3LSQPHRLP1MW

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°	137692	137692	137692
5°	129332	129487	129487
10°	109247	108897	109579
15°	85922	84709	86082
20°	66767	63743	65888
25°	50395	46899	49654
30°	37486	34205	36711
35°	26764	24914	26344
40°	18121	18345	17918
45°	13493	14200	13493
50°	11709	11709	11709
55°	11380	10779	11380
60°	11711	10712	11367
65°	12674	11084	12674
70°	15157	11229	15157
75°	19364	11645	19364
80°	24101	12497	23109
85°	19168	11461	21144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 24101 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	12.6
10°-20°	133.3	24.9
20°-30°	117.8	22.0
30°-40°	77.4	14.4
40°-50°	45.2	8.4
50°-60°	33.3	6.2
60°-70°	28.4	5.3
70°-80°	23.4	4.4
80°-90°	9.7	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°	318.6	59.4
0°-40°	396.0	73.9
0°-60°	474.5	88.5
0°-90°	536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	536.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	800	800	800	800	800	
5°	748	748	749	750	749	67
15°	482	482	475	481	483	135
25°	265	256	247	254	261	123
35°	127	122	118	121	125	80
45°	55	56	58	56	55	45
55°	38	37	36	37	38	34
65°	31	28	27	28	31	31
75°	29	21	18	22	29	30
85°	10	11	6	10	11	11
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	799.5	799.5	799.5	799.5	799.5
1°	796.6	797.6	797.6	798.6	798.6
2°	788.9	790.8	791.8	791.8	791.8
3°	779.1	780.1	781.1	782.1	782.1
4°	765.5	766.5	766.5	768.5	769.4
5°	748.1	748.1	749.0	750.0	749.0
6°	727.7	727.7	728.6	728.6	728.6
7°	703.4	704.3	705.3	706.3	705.3
8°	677.1	678.1	681.0	681.0	680.1
9°	650.9	651.9	651.9	654.8	654.8
10°	624.7	624.7	622.7	624.7	626.6
12.5°	553.8	552.8	549.9	552.8	554.7
15°	481.9	481.9	475.1	480.9	482.8
17.5°	423.6	414.8	408.0	413.9	418.7
20°	364.3	355.6	347.8	353.6	359.5
22.5°	310.9	304.1	294.4	300.2	307.0
25°	265.2	256.5	246.8	253.6	261.3
27.5°	227.3	215.7	206.0	213.7	220.5
30°	188.5	180.7	172.0	177.8	184.6
32.5°	155.4	149.6	142.8	147.7	153.5
35°	127.3	122.4	118.5	121.4	125.3
37.5°	102.0	100.1	98.1	99.1	99.1
40°	80.6	81.6	81.6	81.6	79.7
42.5°	66.1	67.0	69.0	67.0	66.1
45°	55.4	56.3	58.3	56.3	55.4
47.5°	48.6	49.5	50.5	48.6	48.6
50°	43.7	43.7	43.7	43.7	43.7
52.5°	40.8	39.8	39.8	39.8	40.8
55°	37.9	36.9	35.9	36.9	37.9
57.5°	35.0	34.0	33.0	34.0	35.0
60°	34.0	32.1	31.1	32.1	33.0
62.5°	32.1	30.1	29.1	30.1	32.1
65°	31.1	28.2	27.2	28.2	31.1
67.5°	30.1	26.2	24.3	26.2	30.1
70°	30.1	24.3	22.3	25.3	30.1
72.5°	29.1	23.3	19.4	23.3	29.1
75°	29.1	21.4	17.5	22.3	29.1
77.5°	27.2	19.4	14.6	20.4	27.2
80°	24.3	17.5	12.6	18.5	23.3
82.5°	17.5	14.6	9.7	14.6	17.5
85°	9.7	10.7	5.8	9.7	10.7
87.5°	1.0	2.9	1.9	5.8	4.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)