

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: P1307934

Luminaire Tested: LDSQA3D09R209027DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307934
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209027DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

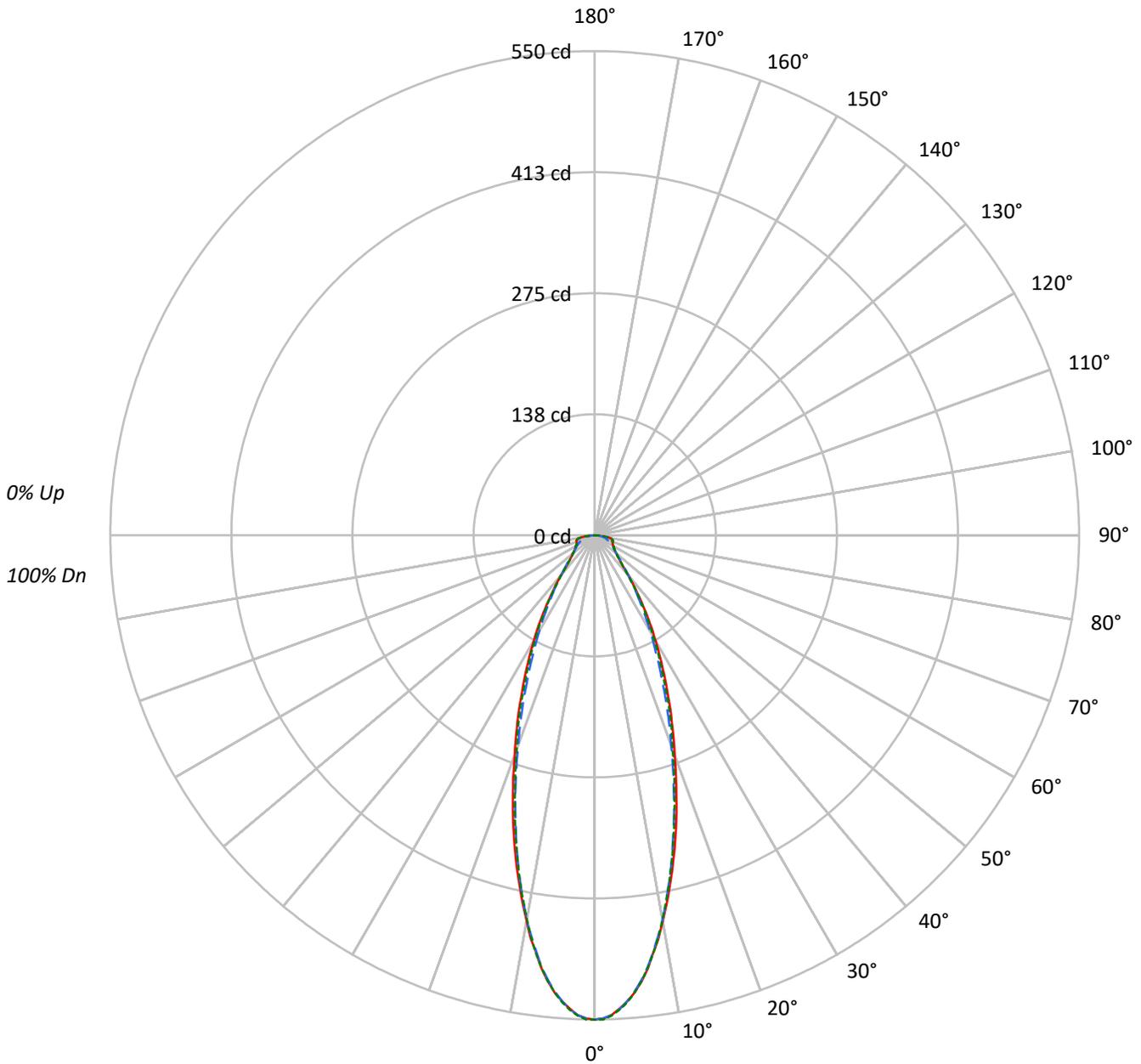
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 388.0 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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				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	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	94757	94757	94757
5°	90157	89915	90157
10°	77839	77594	77472
15°	63171	61709	61941
20°	48660	46534	47413
25°	36960	34243	35934
30°	27424	24978	26608
35°	19385	18081	19090
40°	13354	13354	13040
45°	9815	10303	9815
50°	8601	8601	8601
55°	8197	7987	8197
60°	8473	7750	8473
65°	9169	7784	9169
70°	10977	7906	10977
75°	14107	8650	14107
80°	17555	8827	16960
85°	13437	8102	14820

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 17555 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	12.2
10°-20°	96.4	24.8
20°-30°	86.1	22.2
30°-40°	56.5	14.6
40°-50°	32.8	8.5
50°-60°	24.4	6.3
60°-70°	20.6	5.3
70°-80°	17.0	4.4
80°-90°	7.1	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°	229.6	59.2
0°-40°	286.1	73.7
0°-60°	343.3	88.5
0°-90°	388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	388.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	550	550	550	550	550	
5°	522	521	520	521	522	47
15°	354	351	346	347	347	98
25°	194	189	180	185	189	90
35°	92	89	86	89	91	59
45°	40	41	42	41	40	32
55°	27	27	27	27	27	25
65°	22	20	19	20	22	22
75°	21	16	13	16	21	22
85°	7	8	4	8	8	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	550.2	550.2	550.2	550.2	550.2
1°	548.8	549.5	548.8	549.5	550.2
2°	545.4	546.1	545.4	545.4	546.1
3°	538.6	539.3	539.3	539.3	539.9
4°	530.4	531.1	530.4	531.1	531.8
5°	521.5	520.8	520.1	520.8	521.5
6°	509.2	508.5	507.9	508.5	509.2
7°	495.6	494.9	494.2	494.2	494.9
8°	478.5	479.2	477.1	478.5	479.2
9°	463.5	462.1	460.8	460.8	462.1
10°	445.1	443.7	443.7	443.0	443.0
12.5°	400.0	397.3	395.2	395.2	395.9
15°	354.3	350.9	346.1	346.8	347.4
17.5°	308.5	304.4	298.3	299.7	301.0
20°	265.5	261.4	253.9	256.7	258.7
22.5°	228.7	222.5	215.7	217.8	224.6
25°	194.5	189.1	180.2	185.0	189.1
27.5°	164.5	158.4	150.9	155.6	159.7
30°	137.9	132.4	125.6	129.7	133.8
32.5°	114.0	109.2	104.4	107.2	110.6
35°	92.2	89.4	86.0	88.7	90.8
37.5°	74.4	73.0	71.7	73.0	72.4
40°	59.4	60.1	59.4	59.4	58.0
42.5°	47.1	49.1	49.8	48.5	47.1
45°	40.3	41.0	42.3	41.0	40.3
47.5°	35.5	35.5	36.2	35.5	34.8
50°	32.1	32.1	32.1	32.1	32.1
52.5°	29.4	29.4	28.7	29.4	29.4
55°	27.3	26.6	26.6	26.6	27.3
57.5°	25.9	25.3	24.6	25.3	25.9
60°	24.6	23.2	22.5	23.2	24.6
62.5°	23.2	21.8	21.2	21.8	23.2
65°	22.5	20.5	19.1	20.5	22.5
67.5°	21.8	19.1	17.7	19.1	22.5
70°	21.8	17.7	15.7	18.4	21.8
72.5°	21.2	17.1	14.3	17.1	21.2
75°	21.2	15.7	13.0	15.7	21.2
77.5°	19.8	14.3	10.9	14.3	19.8
80°	17.7	13.0	8.9	13.0	17.1
82.5°	13.0	10.9	6.8	10.9	13.0
85°	6.8	7.5	4.1	7.5	7.5
87.5°	0.7	2.7	1.4	4.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)