

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: P1308880

Luminaire Tested: LDSQA3D05R159030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308880
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: LDSQA3D05R159030DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

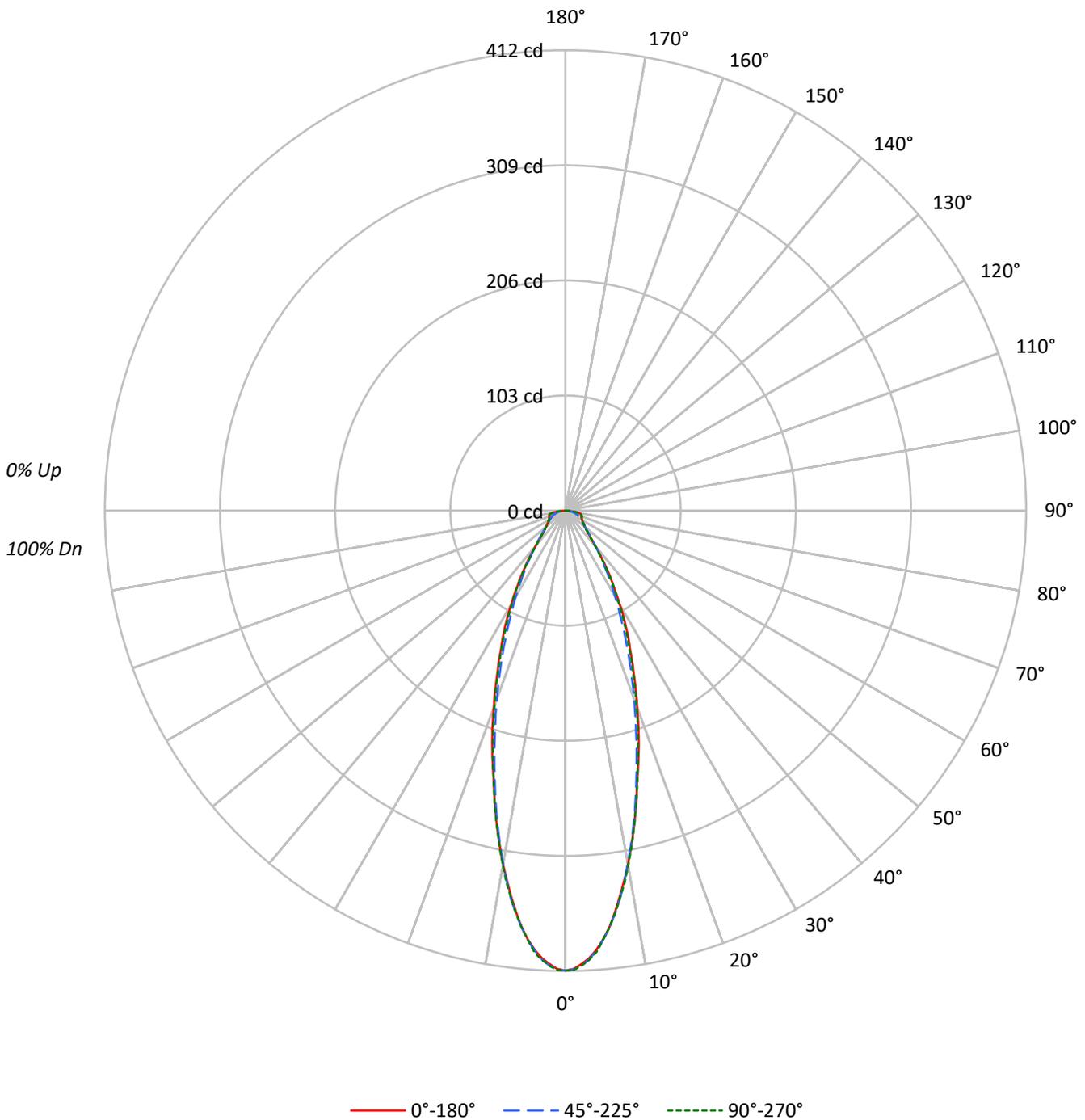
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 276.0 lumens
Efficiency: N/A
Efficacy: 38.3 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): 7.2
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

TEST NUMBER: P1308880
CATALOG NUMBER: LDSQA3D05R159030DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot





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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	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	61	56	66	60	56	64	59	55	63	59	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	54	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°	70904	70904	70904
5°	66594	66680	66680
10°	56259	56084	56434
15°	44236	43612	44325
20°	34382	32825	33924
25°	25958	24152	25578
30°	19290	17600	18892
35°	13771	12825	13561
40°	9330	9442	9218
45°	6941	7307	6941
50°	6028	6028	6028
55°	5855	5555	5855
60°	6028	5511	5856
65°	6520	5705	6520
70°	7805	5791	7805
75°	9981	5989	9981
80°	12397	6447	11901
85°	9880	5928	10868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 12397 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	12.6
10°-20°	68.6	24.9
20°-30°	60.7	22.0
30°-40°	39.8	14.4
40°-50°	23.3	8.4
50°-60°	17.1	6.2
60°-70°	14.6	5.3
70°-80°	12.0	4.4
80°-90°	5.0	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°	164.0	59.4
0°-40°	203.9	73.9
0°-60°	244.3	88.5
0°-90°	276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	276.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	412	412	412	412	412	
5°	385	385	386	386	386	35
15°	248	248	245	248	249	69
25°	137	132	127	131	135	63
35°	66	63	61	62	64	41
45°	28	29	30	29	28	23
55°	20	19	18	19	20	18
65°	16	14	14	14	16	16
75°	15	11	9	12	15	15
85°	5	6	3	5	6	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	411.7	411.7	411.7	411.7	411.7
1°	410.2	410.7	410.7	411.2	411.2
2°	406.2	407.2	407.7	407.7	407.7
3°	401.2	401.7	402.2	402.7	402.7
4°	394.2	394.7	394.7	395.7	396.2
5°	385.2	385.2	385.7	386.2	385.7
6°	374.7	374.7	375.2	375.2	375.2
7°	362.2	362.7	363.2	363.7	363.2
8°	348.7	349.2	350.7	350.7	350.2
9°	335.2	335.7	335.7	337.2	337.2
10°	321.7	321.7	320.7	321.7	322.7
12.5°	285.1	284.6	283.1	284.6	285.6
15°	248.1	248.1	244.6	247.6	248.6
17.5°	218.1	213.6	210.1	213.1	215.6
20°	187.6	183.1	179.1	182.1	185.1
22.5°	160.1	156.6	151.6	154.6	158.1
25°	136.6	132.1	127.1	130.6	134.6
27.5°	117.1	111.1	106.1	110.1	113.6
30°	97.0	93.0	88.5	91.5	95.0
32.5°	80.0	77.0	73.5	76.0	79.0
35°	65.5	63.0	61.0	62.5	64.5
37.5°	52.5	51.5	50.5	51.0	51.0
40°	41.5	42.0	42.0	42.0	41.0
42.5°	34.0	34.5	35.5	34.5	34.0
45°	28.5	29.0	30.0	29.0	28.5
47.5°	25.0	25.5	26.0	25.0	25.0
50°	22.5	22.5	22.5	22.5	22.5
52.5°	21.0	20.5	20.5	20.5	21.0
55°	19.5	19.0	18.5	19.0	19.5
57.5°	18.0	17.5	17.0	17.5	18.0
60°	17.5	16.5	16.0	16.5	17.0
62.5°	16.5	15.5	15.0	15.5	16.5
65°	16.0	14.5	14.0	14.5	16.0
67.5°	15.5	13.5	12.5	13.5	15.5
70°	15.5	12.5	11.5	13.0	15.5
72.5°	15.0	12.0	10.0	12.0	15.0
75°	15.0	11.0	9.0	11.5	15.0
77.5°	14.0	10.0	7.5	10.5	14.0
80°	12.5	9.0	6.5	9.5	12.0
82.5°	9.0	7.5	5.0	7.5	9.0
85°	5.0	5.5	3.0	5.0	5.5
87.5°	0.5	1.5	1.0	3.0	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)