

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: P1316450

Luminaire Tested: LDSQA3D09R359740DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359740DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

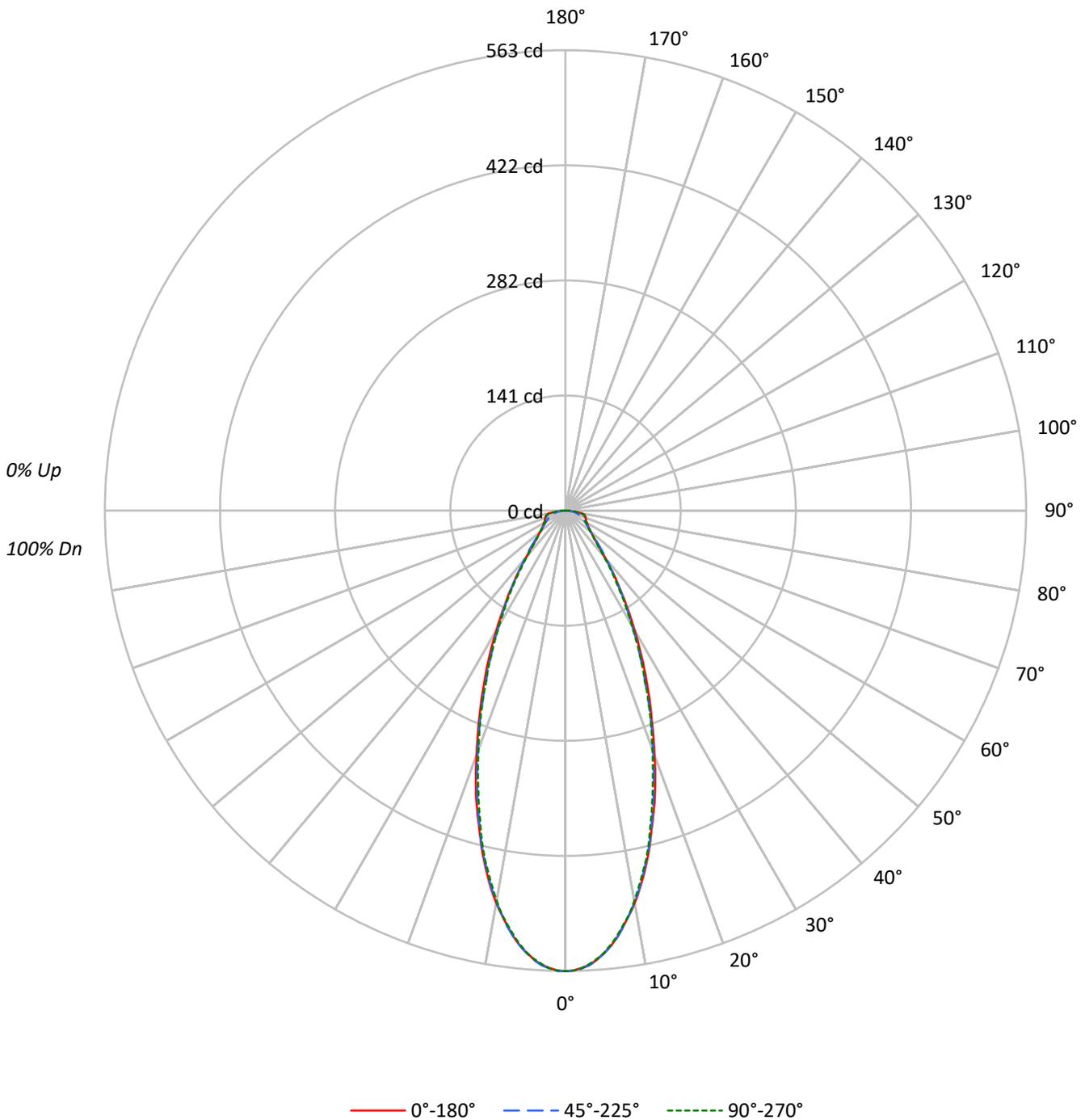
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 466.0 lumens
Efficiency: N/A
Efficacy: 42.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
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





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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	100			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79			79
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72			72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	76	69	64	84	75	69	64	73	68	63	72	67	63	70	65	62	60			60
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56			56
7	77	66	60	55	76	66	59	54	64	58	54	63	58	54	62	57	54	52			52
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49			49
9	70	59	52	48	68	58	52	48	57	52	47	56	51	47	55	51	47	46			46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	96996	96996	96996
5°	93822	93943	93822
10°	85219	85096	84729
15°	72353	72086	71462
20°	58245	57457	56944
25°	45017	43668	43668
30°	33569	32455	32157
35°	24157	23863	23274
40°	16907	17379	16277
45°	12616	13298	12275
50°	10824	10824	10637
55°	10209	9789	9999
60°	10506	9541	10023
65°	11288	9536	11003
70°	13193	10021	12840
75°	16502	10381	16037
80°	21125	11207	19042
85°	16796	11263	16796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 21125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	10.7
10°-20°	111.6	24.0
20°-30°	106.6	22.9
30°-40°	71.6	15.4
40°-50°	42.0	9.0
50°-60°	30.1	6.5
60°-70°	25.0	5.4
70°-80°	20.5	4.4
80°-90°	8.5	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°	268.3	57.6
0°-40°	339.9	72.9
0°-60°	412.0	88.4
0°-90°	466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	466.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	563	563	563	563	563	
5°	543	544	543	543	543	50
15°	406	406	404	402	401	112
25°	237	234	230	230	230	109
35°	115	115	114	111	111	73
45°	52	53	55	52	50	42
55°	34	33	33	33	33	31
65°	28	25	23	25	27	28
75°	25	19	16	19	24	26
85°	8	9	6	9	8	10
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	563.2	563.2	563.2	563.2	563.2
1°	562.5	563.2	563.2	562.5	562.5
2°	559.7	561.1	560.4	559.7	560.4
3°	556.1	557.6	556.8	556.1	555.4
4°	550.5	551.9	551.2	549.8	549.8
5°	542.7	544.1	543.4	542.7	542.7
6°	534.9	536.3	534.9	533.4	533.4
7°	524.2	526.3	524.9	523.5	522.8
8°	512.2	514.3	512.9	512.2	510.7
9°	500.1	501.5	499.4	499.4	499.4
10°	487.3	488.0	486.6	484.5	484.5
11°	473.1	472.4	471.7	470.3	468.9
12°	457.5	457.5	455.4	454.0	453.3
13°	441.2	440.5	439.1	437.7	437.7
14°	424.2	424.2	422.8	419.9	420.6
15°	405.8	406.5	404.3	401.5	400.8
17.5°	363.9	362.5	358.9	356.8	354.7
20°	317.8	317.1	313.5	311.4	310.7
22.5°	275.2	274.5	271.0	268.8	270.3
25°	236.9	234.1	229.8	229.8	229.8
27.5°	201.5	197.9	195.1	193.7	195.1
30°	168.8	166.0	163.2	162.4	161.7
32.5°	139.7	138.3	136.9	134.8	134.8
35°	114.9	114.9	113.5	111.4	110.7
37.5°	93.6	94.3	93.6	91.5	90.8
40°	75.2	76.6	77.3	75.2	72.4
42.5°	61.7	63.8	65.3	61.7	59.6
45°	51.8	53.2	54.6	51.8	50.4
47.5°	45.4	46.1	46.8	44.7	44.0
50°	40.4	40.4	40.4	39.7	39.7
52.5°	36.9	36.9	36.2	35.5	35.5
55°	34.0	33.3	32.6	32.6	33.3
57.5°	31.9	31.2	29.8	30.5	31.2
60°	30.5	29.1	27.7	28.4	29.1
62.5°	28.4	27.0	25.5	26.2	27.7
65°	27.7	24.8	23.4	24.8	27.0
67.5°	27.0	23.4	21.3	23.4	26.2
70°	26.2	22.0	19.9	22.0	25.5
72.5°	25.5	20.6	17.7	20.6	24.8
75°	24.8	19.2	15.6	19.2	24.1
77.5°	23.4	17.7	13.5	17.7	22.0
80°	21.3	16.3	11.3	15.6	19.2
82.5°	15.6	13.5	9.2	13.5	14.2
85°	8.5	9.2	5.7	9.2	8.5
87.5°	0.7	1.4	1.4	4.3	2.8



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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)