

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: P1323570

Luminaire Tested: LDSQA3D05R159030D2WDE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159030D2WDE010 3LSQPHRL1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

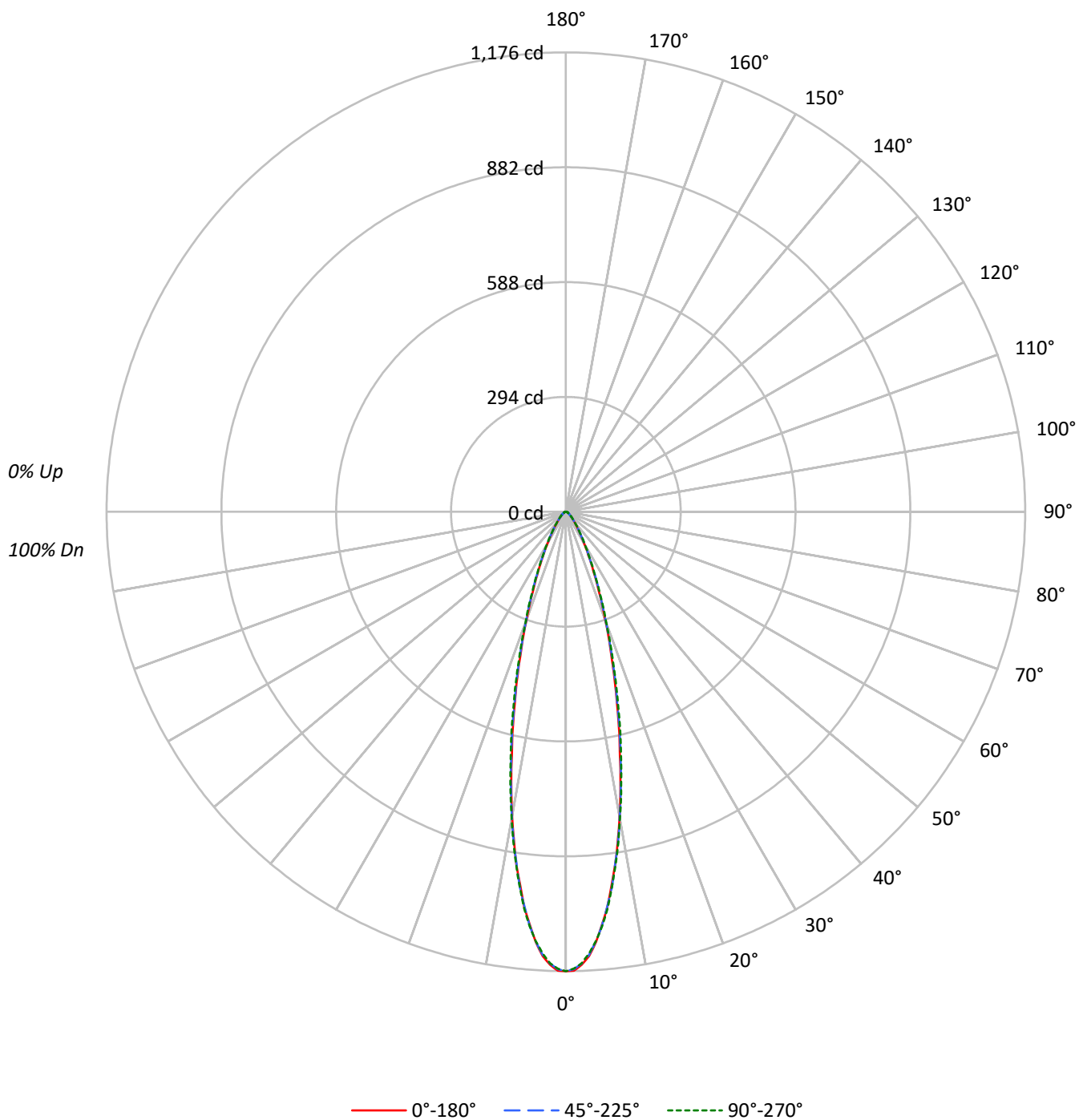
Lumens per Lamp: N/A
Luminaire Lumens: 389.0 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (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

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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83	79	77	76
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79	76	73	72
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76	73	70	69
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74	70	67	66
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71	67	65	64
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	202585	202585	202585
5°	183495	183841	184100
10°	138540	138889	139589
15°	89862	90843	92626
20°	54103	54744	55477
25°	31601	32267	32742
30°	18574	19171	19469
35°	11437	11858	12068
40°	7531	7756	7869
45°	5237	5358	5480
50°	3885	4019	4153
55°	3153	3303	3303
60°	2756	2756	2756
65°	2445	2445	2445
70°	2014	2266	2266
75°	1996	1996	1996
80°	1488	1984	1984
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 5480 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	23.8
10°-20°	141.7	36.4
20°-30°	80.5	20.7
30°-40°	36.7	9.4
40°-50°	17.6	4.5
50°-60°	9.9	2.5
60°-70°	6.0	1.6
70°-80°	3.2	0.8
80°-90°	0.7	0.2
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°	314.9	80.9
0°-40°	351.6	90.4
0°-60°	379.1	97.4
0°-90°	389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	389.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1176	1176	1176	1176	1176	
5°	1061	1061	1063	1063	1065	93
15°	504	506	510	516	520	140
25°	166	166	170	171	172	79
35°	54	55	56	57	57	36
45°	22	22	22	22	22	17
55°	10	10	11	11	11	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1176.3	1176.3	1176.3	1176.3	1176.3
1°	1175.3	1172.3	1171.3	1170.8	1169.8
2°	1160.3	1157.8	1157.3	1157.3	1156.8
3°	1139.3	1134.9	1135.4	1133.9	1132.4
4°	1103.9	1101.9	1102.9	1103.9	1101.9
5°	1061.4	1060.9	1063.4	1063.4	1064.9
6°	1017.5	1017.0	1015.5	1019.5	1021.5
7°	961.5	964.5	968.5	966.5	968.0
8°	910.6	907.1	908.6	913.6	914.1
9°	850.6	848.1	854.6	856.6	857.1
10°	792.2	794.7	794.2	801.2	798.2
12.5°	639.9	643.8	648.3	651.3	654.3
15°	504.0	506.5	509.5	516.5	519.5
17.5°	387.6	390.6	393.6	399.6	400.6
20°	295.2	296.7	298.7	304.2	302.7
22.5°	220.8	223.3	225.3	227.8	229.3
25°	166.3	166.3	169.8	171.3	172.3
27.5°	123.9	124.9	127.4	129.4	128.9
30°	93.4	94.9	96.4	97.4	97.9
32.5°	71.9	71.9	73.4	74.9	75.4
35°	54.4	55.4	56.4	57.4	57.4
37.5°	42.5	43.0	44.0	44.5	44.5
40°	33.5	33.5	34.5	35.0	35.0
42.5°	26.5	27.0	27.5	28.0	28.0
45°	21.5	21.5	22.0	22.5	22.5
47.5°	17.5	17.5	18.0	18.5	18.5
50°	14.5	15.0	15.0	15.5	15.5
52.5°	12.5	12.5	12.5	13.0	13.0
55°	10.5	10.5	11.0	11.0	11.0
57.5°	9.0	9.0	9.0	9.5	9.5
60°	8.0	8.0	8.0	8.0	8.0
62.5°	7.0	7.0	7.0	7.0	7.0
65°	6.0	6.0	6.0	6.0	6.0
67.5°	5.0	5.0	5.0	5.5	5.5
70°	4.0	4.5	4.5	4.5	4.5
72.5°	3.5	3.5	3.5	3.5	3.5
75°	3.0	3.0	3.0	3.0	3.0
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.5	2.0	2.0	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)