

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: P1306803

Luminaire Tested: LDSQA3D05R209024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R209024DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

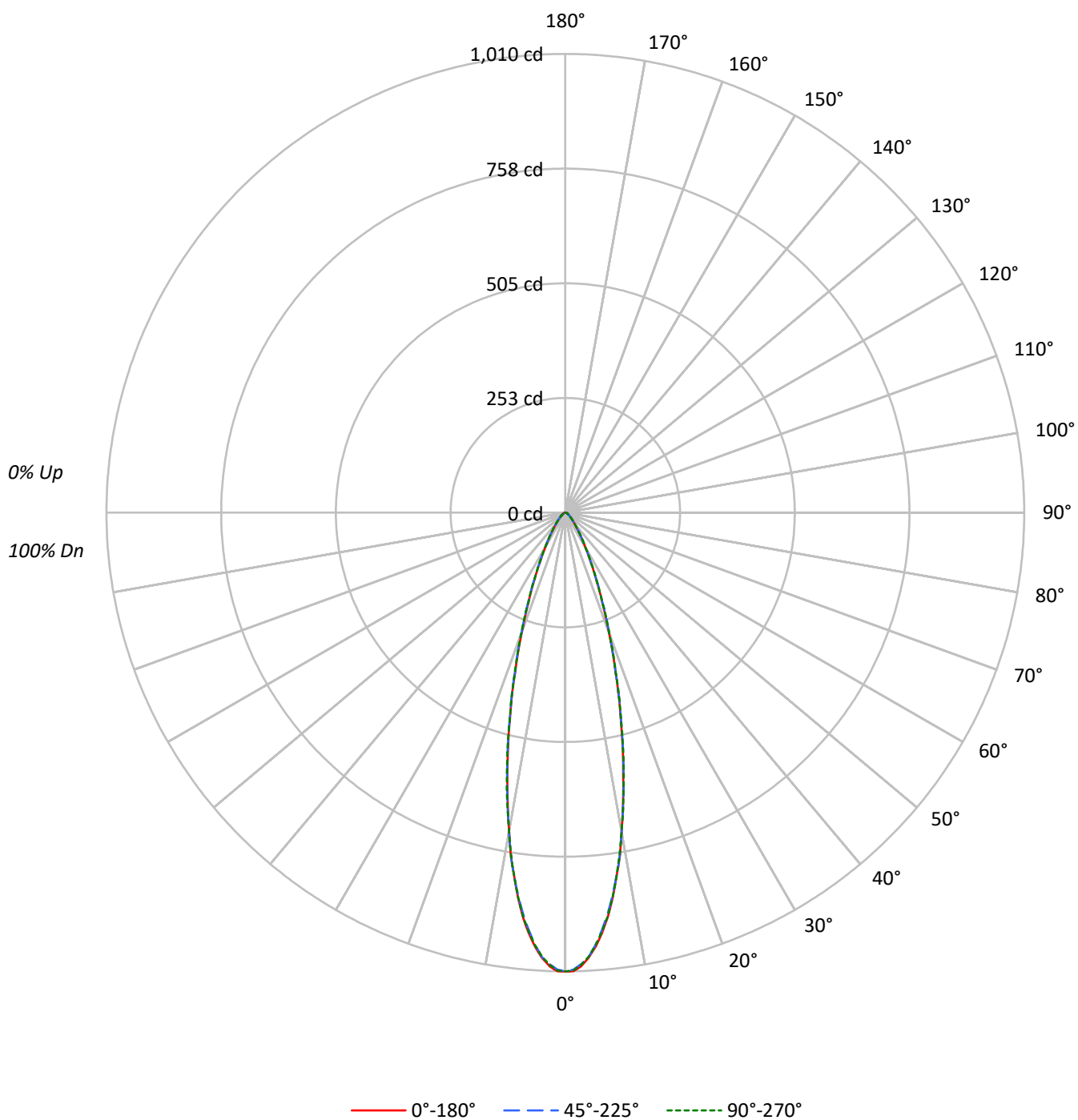
Lumens per Lamp: N/A
Luminaire Lumens: 355.0 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	173979	173979	173979
5°	160502	159586	160122
10°	124549	124707	124707
15°	84192	84585	84585
20°	51134	51775	52014
25°	29986	30404	30328
30°	17500	17838	17938
35°	10680	10975	10975
40°	6947	7059	7149
45°	4847	4944	5066
50°	3563	3671	3671
55°	2792	2913	2913
60°	2446	2446	2583
65°	2160	2160	2323
70°	2014	2014	2014
75°	1797	1797	1797
80°	1289	1289	1785
85°	790	790	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5066 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	22.9
10°-20°	130.5	36.7
20°-30°	75.5	21.3
30°-40°	33.9	9.5
40°-50°	16.1	4.5
50°-60°	8.8	2.5
60°-70°	5.3	1.5
70°-80°	2.9	0.8
80°-90°	0.6	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°	287.4	81.0
0°-40°	321.3	90.5
0°-60°	346.2	97.5
0°-90°	355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	928	925	923	925	926	82
15°	472	472	474	472	474	130
25°	158	158	160	159	160	75
35°	51	51	52	53	52	33
45°	20	20	20	20	21	16
55°	9	9	10	10	10	9
65°	5	5	5	5	6	5
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1010.2	1010.2	1010.2	1010.2	1010.2
1°	1009.7	1007.1	1006.2	1005.3	1008.0
2°	999.6	996.5	994.7	995.6	996.0
3°	981.4	979.7	979.7	978.3	979.2
4°	958.0	954.5	954.5	954.9	954.9
5°	928.4	925.3	923.1	924.9	926.2
6°	895.2	891.3	889.5	889.9	893.0
7°	854.6	849.3	850.1	852.4	852.4
8°	808.6	808.1	809.0	808.1	809.0
9°	766.1	760.0	765.3	760.8	763.0
10°	712.2	711.8	713.1	714.4	713.1
12.5°	589.3	591.5	592.4	590.6	594.6
15°	472.2	472.2	474.4	472.2	474.4
17.5°	367.4	366.9	368.7	366.9	369.6
20°	279.0	282.1	282.5	282.5	283.8
22.5°	210.4	210.4	212.2	212.6	211.8
25°	157.8	157.8	160.0	158.7	159.6
27.5°	116.7	117.6	119.4	120.2	120.2
30°	88.0	88.4	89.7	90.2	90.2
32.5°	66.3	67.2	68.1	68.5	69.0
35°	50.8	51.3	52.2	52.6	52.2
37.5°	38.9	39.3	40.2	40.7	40.7
40°	30.9	30.9	31.4	31.8	31.8
42.5°	24.3	24.8	24.8	25.2	25.2
45°	19.9	19.9	20.3	20.3	20.8
47.5°	15.9	15.9	16.4	16.8	16.8
50°	13.3	13.3	13.7	13.7	13.7
52.5°	11.1	11.1	11.5	11.5	11.5
55°	9.3	9.3	9.7	9.7	9.7
57.5°	8.0	8.0	8.4	8.4	8.4
60°	7.1	7.1	7.1	7.1	7.5
62.5°	6.2	6.2	6.2	6.2	6.2
65°	5.3	5.3	5.3	5.3	5.7
67.5°	4.4	4.4	4.4	4.4	4.9
70°	4.0	4.0	4.0	4.0	4.0
72.5°	3.1	3.1	3.1	3.5	3.5
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.3	1.3	1.3	1.8	1.8
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.9
87.5°	0.0	0.0	0.0	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)