

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: P1312870

Luminaire Tested: LDSQA3D20R309050D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309050D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

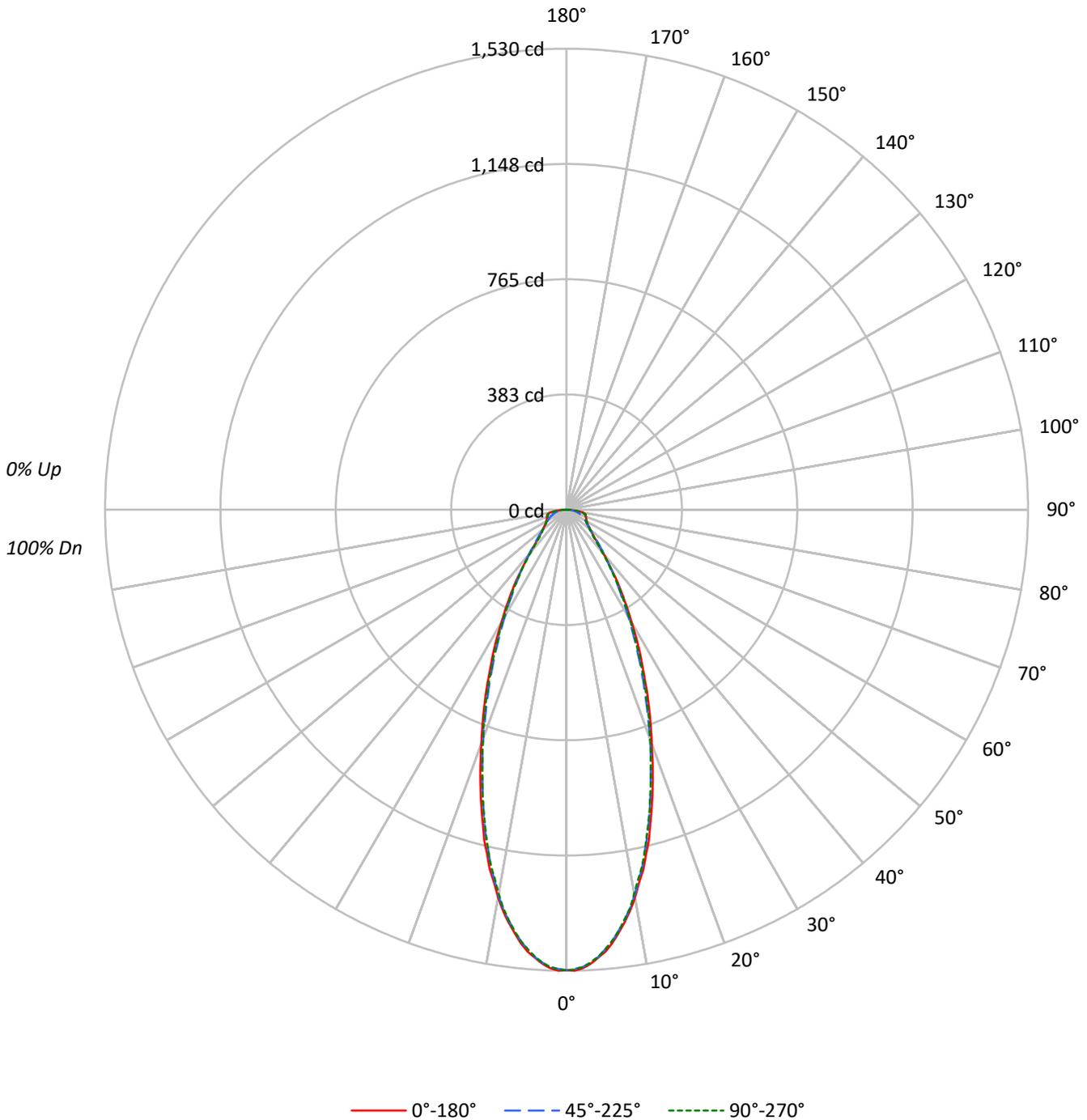
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1205.0 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	263173	263173	263173
5°	254601	253322	253322
10°	228497	227203	226242
15°	191510	188550	188211
20°	151184	148142	148142
25°	115726	111166	113275
30°	85870	81475	83305
35°	62085	59373	59752
40°	42738	43570	41479
45°	31906	33270	30567
50°	27677	27195	27195
55°	26033	24922	25492
60°	26695	24800	26075
65°	29341	24818	28567
70°	34392	25077	33435
75°	44184	27016	42986
80°	54945	29258	51276
85°	43670	29245	40113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 54945 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	11.2
10°-20°	293.0	24.3
20°-30°	273.0	22.7
30°-40°	181.1	15.0
40°-50°	105.5	8.8
50°-60°	76.8	6.4
60°-70°	64.9	5.4
70°-80°	53.7	4.5
80°-90°	22.3	1.9
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°	700.7	58.2
0°-40°	881.8	73.2
0°-60°	1064.1	88.3
0°-90°	1205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1205.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1473	1471	1465	1465	1465	135
15°	1074	1063	1058	1056	1056	297
25°	609	598	585	587	596	281
35°	295	290	282	284	284	186
45°	131	133	137	129	126	105
55°	87	85	83	85	85	79
65°	72	65	61	65	70	72
75°	66	50	41	50	65	68
85°	22	26	15	24	20	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1528.1	1528.1	1528.1	1528.1	1528.1
1°	1529.9	1528.1	1524.4	1526.2	1526.2
2°	1522.5	1520.7	1518.8	1518.8	1518.8
3°	1509.6	1507.8	1505.9	1505.9	1505.9
4°	1491.2	1489.3	1489.3	1487.5	1487.5
5°	1472.7	1470.9	1465.3	1465.3	1465.3
6°	1446.9	1445.0	1441.3	1439.5	1439.5
7°	1415.5	1415.5	1410.0	1408.1	1410.0
8°	1382.3	1380.4	1376.7	1374.9	1374.9
9°	1347.2	1341.7	1341.7	1336.1	1339.8
10°	1306.6	1302.9	1299.2	1295.5	1293.7
11°	1260.5	1258.6	1253.1	1249.4	1247.6
12°	1221.7	1212.5	1208.8	1203.3	1207.0
13°	1171.9	1166.3	1157.1	1155.3	1157.1
14°	1129.4	1118.4	1111.0	1107.3	1105.4
15°	1074.1	1063.0	1057.5	1055.6	1055.6
17.5°	950.4	943.0	928.3	928.3	928.3
20°	824.9	817.6	808.3	806.5	808.3
22.5°	716.0	703.1	688.4	690.2	701.3
25°	609.0	597.9	585.0	586.9	596.1
27.5°	518.6	503.8	490.9	494.6	500.1
30°	431.8	422.6	409.7	413.4	418.9
32.5°	358.0	352.5	337.7	341.4	347.0
35°	295.3	289.7	282.4	284.2	284.2
37.5°	236.2	236.2	234.4	232.5	230.7
40°	190.1	193.8	193.8	188.2	184.5
42.5°	155.0	158.7	162.4	155.0	149.5
45°	131.0	132.9	136.6	129.2	125.5
47.5°	114.4	114.4	118.1	112.6	110.7
50°	103.3	103.3	101.5	99.7	101.5
52.5°	94.1	92.3	90.4	92.3	92.3
55°	86.7	84.9	83.0	84.9	84.9
57.5°	81.2	79.4	77.5	77.5	79.4
60°	77.5	73.8	72.0	73.8	75.7
62.5°	73.8	68.3	66.4	68.3	72.0
65°	72.0	64.6	60.9	64.6	70.1
67.5°	70.1	60.9	55.4	60.9	68.3
70°	68.3	57.2	49.8	57.2	66.4
72.5°	66.4	53.5	46.1	53.5	66.4
75°	66.4	49.8	40.6	49.8	64.6
77.5°	62.7	46.1	35.1	46.1	60.9
80°	55.4	42.4	29.5	40.6	51.7
82.5°	40.6	36.9	22.1	35.1	38.8
85°	22.1	25.8	14.8	24.0	20.3
87.5°	3.7	5.5	3.7	11.1	7.4



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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)