

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: P1316240

Luminaire Tested: LDSQA3D05R209740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316240
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: LDSQA3D05R209740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

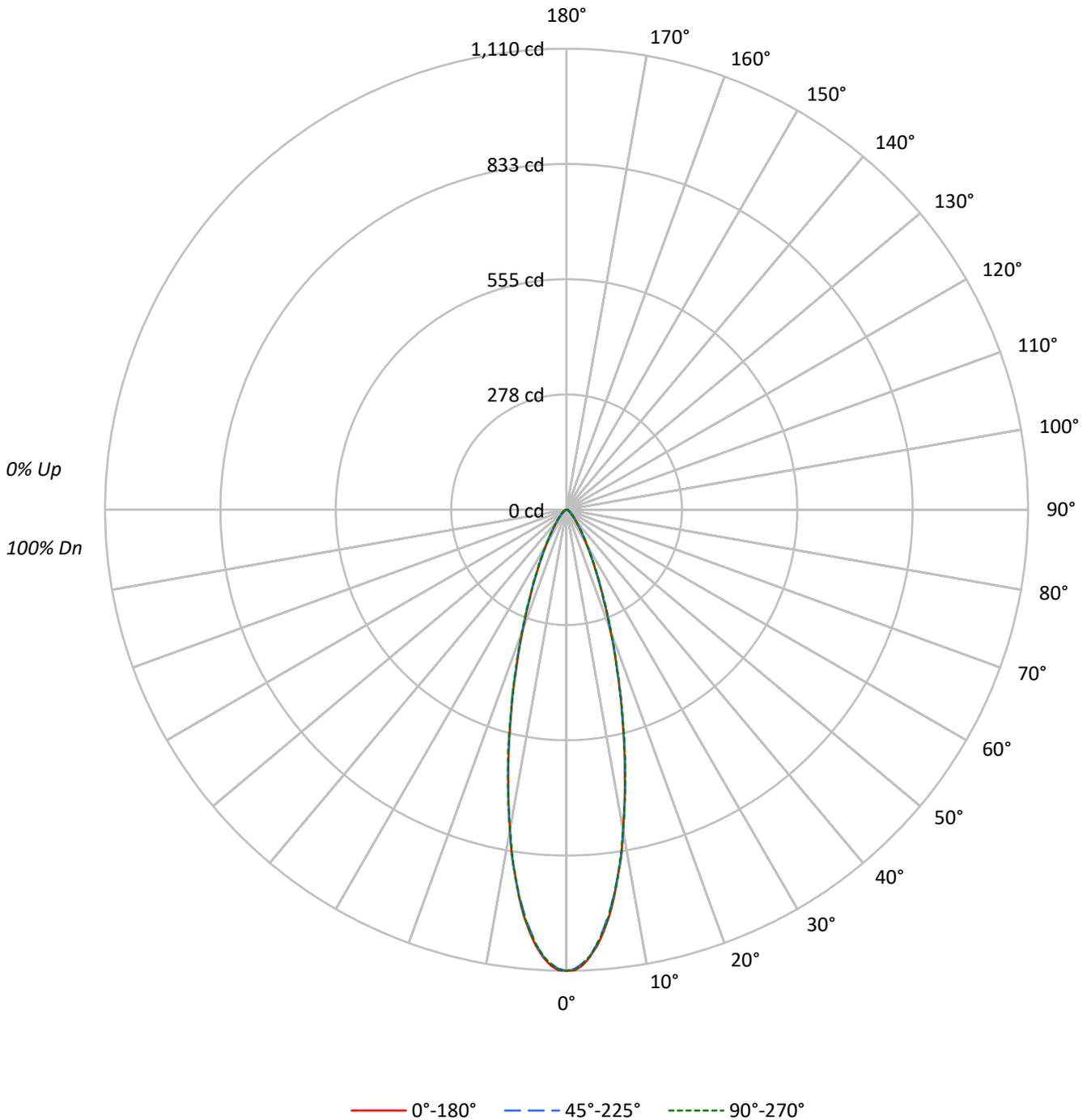
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 390.0 lumens
Efficiency: N/A
Efficacy: 54.2 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				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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	191133	191133	191133
5°	176321	175318	175906
10°	136826	137001	137001
15°	92483	92911	92911
20°	56174	56870	57145
25°	32951	33407	33312
30°	19210	19608	19708
35°	11753	12047	12047
40°	7644	7756	7869
45°	5334	5431	5553
50°	3912	4046	4046
55°	3063	3213	3213
60°	2687	2687	2859
65°	2364	2364	2567
70°	2216	2216	2216
75°	1930	1930	1930
80°	1488	1488	1884
85°	988	988	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 5553 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	22.9
10°-20°	143.3	36.7
20°-30°	83.0	21.3
30°-40°	37.2	9.5
40°-50°	17.7	4.5
50°-60°	9.7	2.5
60°-70°	5.9	1.5
70°-80°	3.1	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°	315.8	81.0
0°-40°	353.0	90.5
0°-60°	380.3	97.5
0°-90°	390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	390.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1110	1110	1110	1110	1110	
5°	1020	1016	1014	1016	1018	90
15°	519	519	521	519	521	143
25°	173	173	176	174	175	82
35°	56	56	57	58	57	36
45°	22	22	22	22	23	17
55°	10	10	11	11	11	9
65°	6	6	6	6	6	6
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°	1109.8	1109.8	1109.8	1109.8	1109.8
1°	1109.3	1106.4	1105.4	1104.4	1107.3
2°	1098.1	1094.7	1092.8	1093.7	1094.2
3°	1078.2	1076.3	1076.3	1074.8	1075.8
4°	1052.5	1048.6	1048.6	1049.1	1049.1
5°	1019.9	1016.5	1014.1	1016.0	1017.5
6°	983.5	979.1	977.2	977.7	981.1
7°	938.8	933.0	934.0	936.4	936.4
8°	888.3	887.8	888.8	887.8	888.8
9°	841.7	834.9	840.7	835.9	838.3
10°	782.4	781.9	783.4	784.9	783.4
12.5°	647.4	649.8	650.8	648.9	653.2
15°	518.7	518.7	521.1	518.7	521.1
17.5°	403.6	403.1	405.1	403.1	406.0
20°	306.5	309.9	310.3	310.3	311.8
22.5°	231.2	231.2	233.1	233.6	232.6
25°	173.4	173.4	175.8	174.4	175.3
27.5°	128.2	129.2	131.1	132.1	132.1
30°	96.6	97.1	98.6	99.1	99.1
32.5°	72.9	73.8	74.8	75.3	75.8
35°	55.9	56.3	57.3	57.8	57.3
37.5°	42.7	43.2	44.2	44.7	44.7
40°	34.0	34.0	34.5	35.0	35.0
42.5°	26.7	27.2	27.2	27.7	27.7
45°	21.9	21.9	22.3	22.3	22.8
47.5°	17.5	17.5	18.0	18.5	18.5
50°	14.6	14.6	15.1	15.1	15.1
52.5°	12.1	12.1	12.6	12.6	12.6
55°	10.2	10.2	10.7	10.7	10.7
57.5°	8.7	8.7	9.2	9.2	9.2
60°	7.8	7.8	7.8	7.8	8.3
62.5°	6.8	6.8	6.8	6.8	6.8
65°	5.8	5.8	5.8	5.8	6.3
67.5°	4.9	4.9	4.9	4.9	5.3
70°	4.4	4.4	4.4	4.4	4.4
72.5°	3.4	3.4	3.4	3.9	3.9
75°	2.9	2.9	2.9	2.9	2.9
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.5	1.5	1.5	1.9	1.9
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)