

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: P1324386

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHRLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R20W2N902750DE010 3LSQPHRLP1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

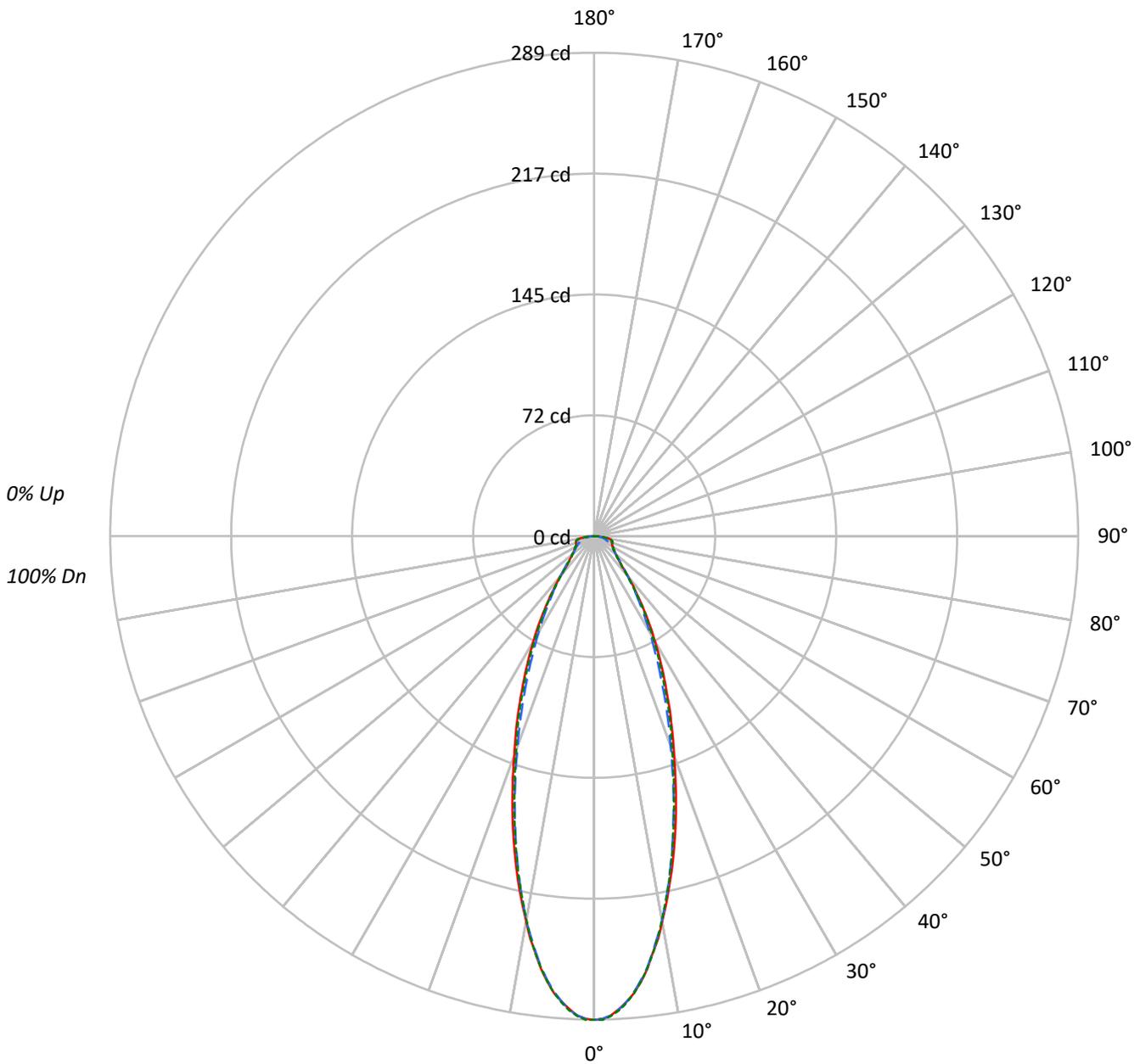
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 204.0 lumens
Efficiency: N/A
Efficacy: 34.6 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	50
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49824	49824	49824
5°	47404	47283	47404
10°	40922	40799	40729
15°	33217	32450	32575
20°	25585	24467	24925
25°	19440	17996	18889
30°	14418	13125	13980
35°	10197	9503	10029
40°	7014	7014	6857
45°	5163	5431	5163
50°	4528	4528	4528
55°	4324	4204	4324
60°	4443	4064	4443
65°	4809	4075	4809
70°	5791	4179	5791
75°	7386	4525	7386
80°	9224	4661	8926
85°	7114	4347	7707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 9224 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	12.2
10°-20°	50.7	24.8
20°-30°	45.2	22.2
30°-40°	29.7	14.6
40°-50°	17.3	8.5
50°-60°	12.8	6.3
60°-70°	10.8	5.3
70°-80°	8.9	4.4
80°-90°	3.7	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°	120.7	59.2
0°-40°	150.4	73.7
0°-60°	180.5	88.5
0°-90°	204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	204.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	289	289	289	289	289	
5°	274	274	274	274	274	25
15°	186	184	182	182	183	51
25°	102	99	95	97	99	47
35°	48	47	45	47	48	31
45°	21	22	22	22	21	17
55°	14	14	14	14	14	13
65°	12	11	10	11	12	12
75°	11	8	7	8	11	11
85°	4	4	2	4	4	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	289.3	289.3	289.3	289.3	289.3
1°	288.6	288.9	288.6	288.9	289.3
2°	286.8	287.1	286.8	286.8	287.1
3°	283.2	283.5	283.5	283.5	283.9
4°	278.9	279.2	278.9	279.2	279.6
5°	274.2	273.8	273.5	273.8	274.2
6°	267.7	267.4	267.0	267.4	267.7
7°	260.6	260.2	259.8	259.8	260.2
8°	251.6	251.9	250.9	251.6	251.9
9°	243.7	243.0	242.3	242.3	243.0
10°	234.0	233.3	233.3	232.9	232.9
12.5°	210.3	208.9	207.8	207.8	208.2
15°	186.3	184.5	182.0	182.3	182.7
17.5°	162.2	160.1	156.8	157.6	158.3
20°	139.6	137.5	133.5	134.9	136.0
22.5°	120.2	117.0	113.4	114.5	118.1
25°	102.3	99.4	94.7	97.3	99.4
27.5°	86.5	83.3	79.3	81.8	84.0
30°	72.5	69.6	66.0	68.2	70.3
32.5°	59.9	57.4	54.9	56.3	58.1
35°	48.5	47.0	45.2	46.7	47.7
37.5°	39.1	38.4	37.7	38.4	38.0
40°	31.2	31.6	31.2	31.2	30.5
42.5°	24.8	25.8	26.2	25.5	24.8
45°	21.2	21.5	22.3	21.5	21.2
47.5°	18.7	18.7	19.0	18.7	18.3
50°	16.9	16.9	16.9	16.9	16.9
52.5°	15.4	15.4	15.1	15.4	15.4
55°	14.4	14.0	14.0	14.0	14.4
57.5°	13.6	13.3	12.9	13.3	13.6
60°	12.9	12.2	11.8	12.2	12.9
62.5°	12.2	11.5	11.1	11.5	12.2
65°	11.8	10.8	10.0	10.8	11.8
67.5°	11.5	10.0	9.3	10.0	11.8
70°	11.5	9.3	8.3	9.7	11.5
72.5°	11.1	9.0	7.5	9.0	11.1
75°	11.1	8.3	6.8	8.3	11.1
77.5°	10.4	7.5	5.7	7.5	10.4
80°	9.3	6.8	4.7	6.8	9.0
82.5°	6.8	5.7	3.6	5.7	6.8
85°	3.6	3.9	2.2	3.9	3.9
87.5°	0.4	1.4	0.7	2.2	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)