

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: P1324382

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHRLD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R20W2N902750DE010 3LSQPHRLD1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

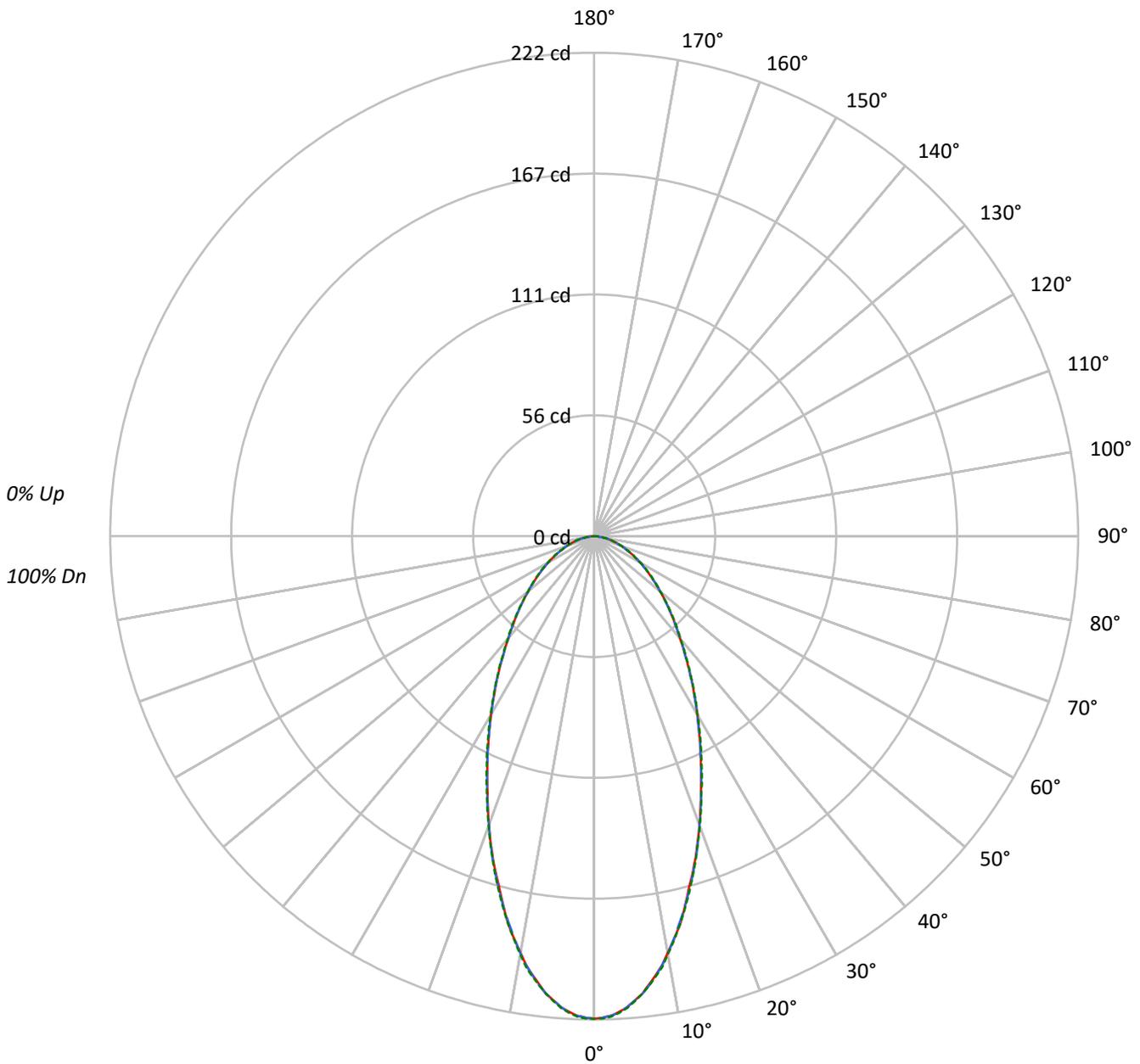
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 265.0 lumens
Efficiency: N/A
Efficacy: 44.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
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	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	45
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	45	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38165	38165	38165
5°	36996	36996	37066
10°	33979	34032	34101
15°	29901	30043	30115
20°	25879	25879	25952
25°	22024	22024	22176
30°	18813	18733	18892
35°	16063	16063	16147
40°	13782	13782	13871
45°	12056	12056	12129
50°	10610	10610	10610
55°	9398	9398	9518
60°	8439	8439	8439
65°	7580	7580	7580
70°	6798	6798	6798
75°	6055	5789	6055
80°	5058	5058	5058
85°	3162	3162	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12129 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	7.5
10°-20°	46.9	17.7
20°-30°	53.4	20.2
30°-40°	48.0	18.1
40°-50°	38.4	14.5
50°-60°	28.2	10.7
60°-70°	18.5	7.0
70°-80°	9.6	3.6
80°-90°	2.2	0.8
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°	120.1	45.3
0°-40°	168.1	63.4
0°-60°	234.8	88.6
0°-90°	265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	222	222	222	222	222	
5°	214	214	214	214	214	20
15°	168	168	168	168	169	47
25°	116	116	116	116	117	53
35°	76	76	76	76	77	48
45°	50	50	50	50	50	38
55°	31	31	31	31	32	28
65°	19	18	19	19	19	18
75°	9	9	9	9	9	10
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	221.6	221.6	221.6	221.6	221.6
1°	221.2	220.8	221.2	221.2	221.6
2°	220.4	220.4	220.4	220.0	220.8
3°	218.8	218.8	219.2	218.8	219.2
4°	216.8	216.8	216.8	216.4	217.2
5°	214.0	214.0	214.0	214.0	214.4
6°	211.3	210.9	211.3	210.9	211.3
7°	207.3	207.3	207.7	207.3	207.7
8°	203.4	203.0	203.7	203.4	204.1
9°	199.4	199.0	199.4	199.0	200.2
10°	194.3	194.6	194.6	194.6	195.0
12.5°	182.4	181.6	181.6	181.6	182.4
15°	167.7	167.7	168.5	168.5	168.9
17.5°	154.7	154.3	155.1	155.1	155.1
20°	141.2	140.8	141.2	141.2	141.6
22.5°	127.8	128.2	128.2	128.2	128.6
25°	115.9	115.9	115.9	116.3	116.7
27.5°	104.8	104.4	104.8	105.2	105.6
30°	94.6	94.2	94.2	94.6	95.0
32.5°	85.1	84.7	85.1	85.1	85.5
35°	76.4	76.4	76.4	76.4	76.8
37.5°	68.4	68.4	68.4	68.8	68.8
40°	61.3	61.3	61.3	61.7	61.7
42.5°	55.0	55.0	55.0	55.4	55.8
45°	49.5	49.5	49.5	49.5	49.8
47.5°	44.3	44.3	44.3	44.7	44.7
50°	39.6	39.2	39.6	40.0	39.6
52.5°	35.2	35.2	35.2	35.2	35.6
55°	31.3	31.3	31.3	31.3	31.7
57.5°	27.7	27.7	27.7	28.1	28.1
60°	24.5	24.5	24.5	24.5	24.5
62.5°	21.4	21.4	21.4	21.4	21.4
65°	18.6	18.2	18.6	18.6	18.6
67.5°	15.8	15.8	15.8	15.8	15.8
70°	13.5	13.5	13.5	13.5	13.5
72.5°	11.1	11.1	11.1	11.1	11.1
75°	9.1	8.7	8.7	9.1	9.1
77.5°	7.1	6.7	7.1	7.1	7.1
80°	5.1	5.1	5.1	5.1	5.1
82.5°	3.2	3.2	3.2	3.6	3.6
85°	1.6	1.6	1.6	2.0	2.0
87.5°	0.4	0.4	0.4	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)