

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: P1324351

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHR1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R20W2N902750DE010 3LSQPHR1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

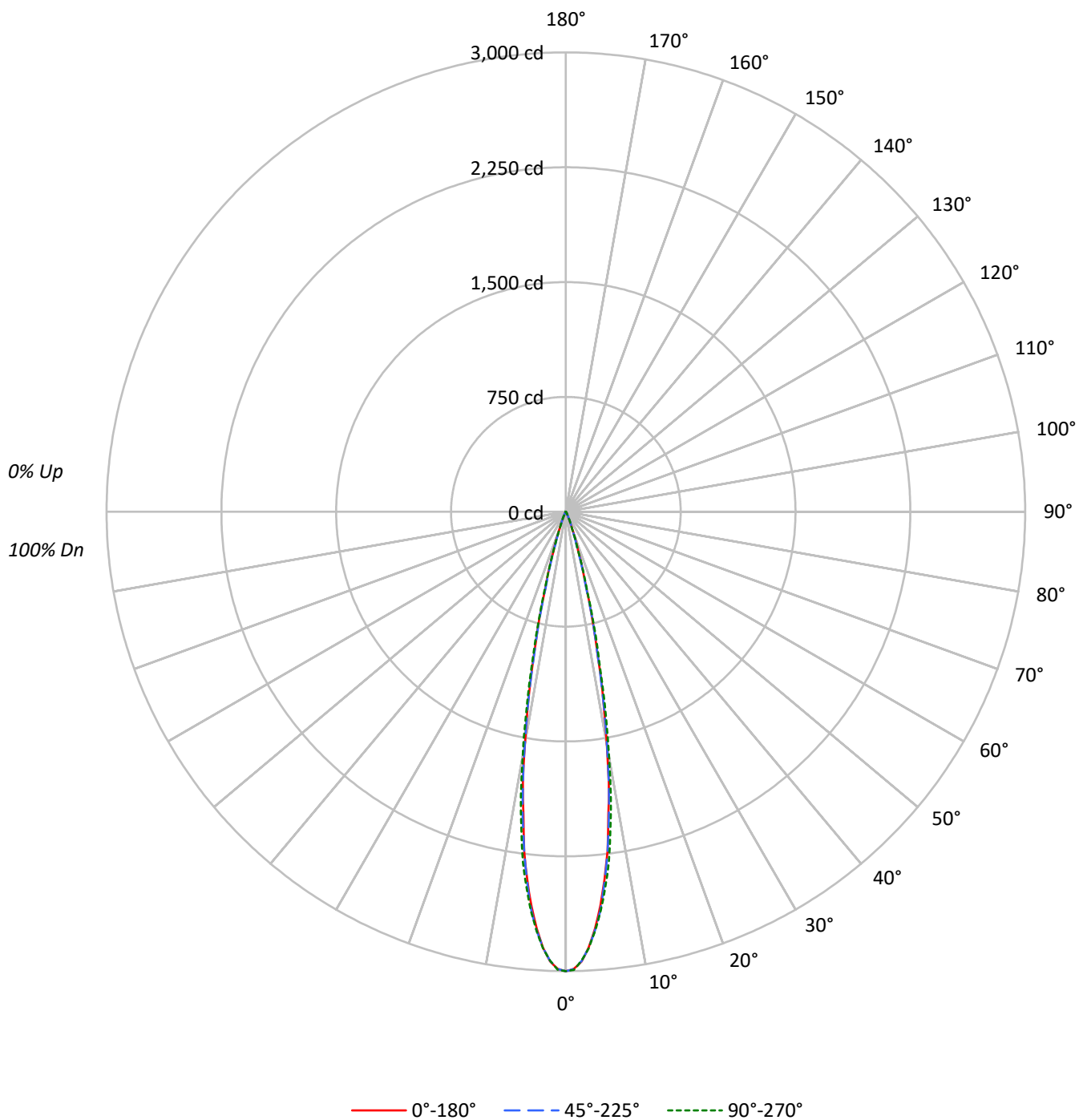
Lumens per Lamp: N/A
Luminaire Lumens: 403.0 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	516754	516754	516754
5°	446412	450561	452238
10°	268737	271238	284739
15°	92947	90772	98010
20°	24412	22964	23038
25°	5321	6404	7297
30°	2287	2287	2347
35°	1282	1135	1198
40°	562	652	719
45°	170	268	268
50°	107	107	107
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 268 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.6	53.3
10°-20°	163.4	40.5
20°-30°	20.2	5.0
30°-40°	3.8	0.9
40°-50°	0.9	0.2
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	398.2	98.8
0°-40°	402.0	99.8
0°-60°	403.0	100.0
0°-90°	403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	403.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3000	3000	3000	3000	3000	
5°	2582	2580	2606	2604	2616	213
15°	521	503	509	540	550	163
25°	28	32	34	35	38	19
35°	6	6	5	6	6	4
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3000.5	3000.5	3000.5	3000.5	3000.5
1°	2986.5	2982.9	2985.7	2979.6	2992.2
2°	2938.7	2935.1	2935.1	2931.5	2933.3
3°	2849.7	2855.4	2851.8	2844.3	2854.0
4°	2728.3	2734.8	2740.5	2740.9	2742.3
5°	2582.2	2580.4	2606.2	2604.4	2615.9
6°	2415.6	2413.4	2424.6	2443.2	2466.2
7°	2232.5	2206.3	2236.1	2273.8	2304.6
8°	1995.5	2002.3	2022.8	2067.3	2092.1
9°	1794.5	1754.6	1798.0	1851.2	1878.1
10°	1536.7	1504.4	1551.0	1607.0	1628.2
12.5°	967.2	939.2	954.3	1013.2	1022.5
15°	521.3	502.6	509.1	539.6	549.7
17.5°	266.0	249.2	245.6	265.0	267.1
20°	133.2	129.3	125.3	127.1	125.7
22.5°	61.8	67.1	66.4	62.8	67.1
25°	28.0	32.0	33.7	35.2	38.4
27.5°	17.2	16.5	19.0	20.5	20.8
30°	11.5	11.1	11.5	11.8	11.8
32.5°	8.3	7.9	7.5	7.5	7.9
35°	6.1	6.1	5.4	5.7	5.7
37.5°	4.3	4.3	3.9	4.3	4.3
40°	2.5	2.9	2.9	2.9	3.2
42.5°	1.4	1.8	1.8	1.8	1.8
45°	0.7	1.1	1.1	1.1	1.1
47.5°	0.4	0.4	0.4	0.7	0.7
50°	0.4	0.4	0.4	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)