

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: P1324366

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324366
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: LDSQA3D05R20W2N902750DE010 3LSQPHRL1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

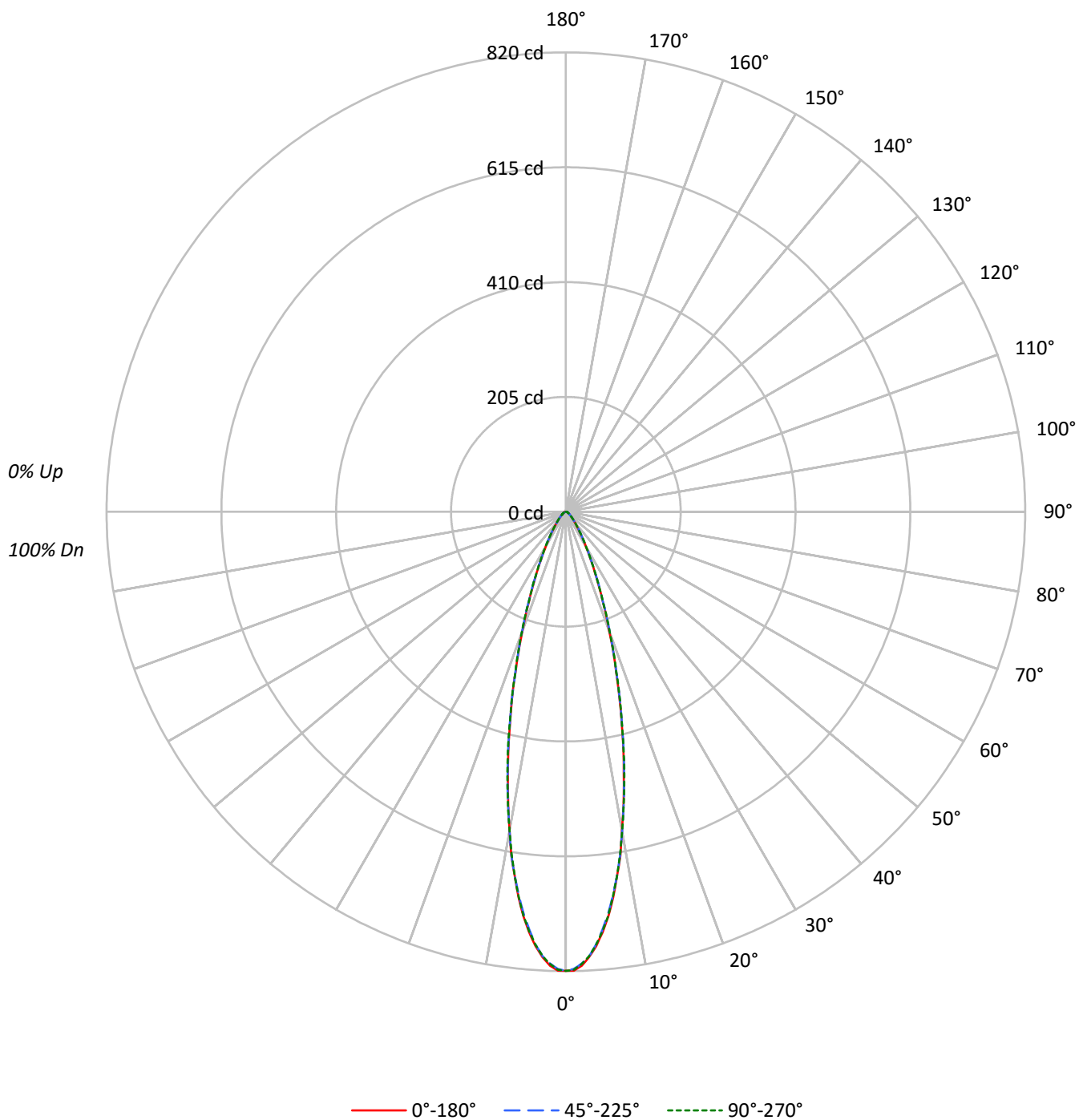
Lumens per Lamp: N/A
Luminaire Lumens: 288.0 lumens
Efficiency: N/A
Efficacy: 48.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	141136	141136	141136
5°	130214	129470	129902
10°	101045	101168	101168
15°	68288	68609	68609
20°	41475	42007	42208
25°	24323	24665	24608
30°	14199	14477	14557
35°	8662	8893	8893
40°	5643	5733	5800
45°	3921	4019	4116
50°	2894	2974	2974
55°	2252	2372	2372
60°	1963	1963	2101
65°	1752	1752	1915
70°	1611	1611	1611
75°	1464	1464	1464
80°	1091	1091	1389
85°	790	790	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4116 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	22.9
10°-20°	105.8	36.7
20°-30°	61.3	21.3
30°-40°	27.5	9.5
40°-50°	13.0	4.5
50°-60°	7.1	2.5
60°-70°	4.3	1.5
70°-80°	2.3	0.8
80°-90°	0.5	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°	233.2	81.0
0°-40°	260.7	90.5
0°-60°	280.8	97.5
0°-90°	288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	288.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	753	751	749	750	751	66
15°	383	383	385	383	385	106
25°	128	128	130	129	130	61
35°	41	42	42	43	42	27
45°	16	16	16	16	17	13
55°	8	8	8	8	8	7
65°	4	4	4	4	5	4
75°	2	2	2	2	2	2
85°	0	0	0	0	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	819.5	819.5	819.5	819.5	819.5
1°	819.2	817.0	816.3	815.6	817.7
2°	810.9	808.4	807.0	807.7	808.0
3°	796.2	794.8	794.8	793.7	794.4
4°	777.2	774.3	774.3	774.7	774.7
5°	753.2	750.7	748.9	750.3	751.4
6°	726.3	723.0	721.6	722.0	724.5
7°	693.3	689.0	689.7	691.5	691.5
8°	656.0	655.6	656.3	655.6	656.3
9°	621.5	616.5	620.8	617.2	619.0
10°	577.8	577.4	578.5	579.6	578.5
12.5°	478.1	479.9	480.6	479.2	482.4
15°	383.0	383.0	384.8	383.0	384.8
17.5°	298.0	297.7	299.1	297.7	299.8
20°	226.3	228.8	229.2	229.2	230.3
22.5°	170.7	170.7	172.2	172.5	171.8
25°	128.0	128.0	129.8	128.8	129.5
27.5°	94.7	95.4	96.8	97.6	97.6
30°	71.4	71.7	72.8	73.2	73.2
32.5°	53.8	54.5	55.2	55.6	56.0
35°	41.2	41.6	42.3	42.7	42.3
37.5°	31.6	31.9	32.6	33.0	33.0
40°	25.1	25.1	25.5	25.8	25.8
42.5°	19.7	20.1	20.1	20.4	20.4
45°	16.1	16.1	16.5	16.5	16.9
47.5°	12.9	12.9	13.3	13.6	13.6
50°	10.8	10.8	11.1	11.1	11.1
52.5°	9.0	9.0	9.3	9.3	9.3
55°	7.5	7.5	7.9	7.9	7.9
57.5°	6.5	6.5	6.8	6.8	6.8
60°	5.7	5.7	5.7	5.7	6.1
62.5°	5.0	5.0	5.0	5.0	5.0
65°	4.3	4.3	4.3	4.3	4.7
67.5°	3.6	3.6	3.6	3.6	3.9
70°	3.2	3.2	3.2	3.2	3.2
72.5°	2.5	2.5	2.5	2.9	2.9
75°	2.2	2.2	2.2	2.2	2.2
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.1	1.1	1.1	1.4	1.4
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.4	0.4	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)