

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: P1327601

Luminaire Tested: LDSQA3D13R20W2N902750DE010 3LSQPHRLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327601
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: LDSQA3D13R20W2N902750DE010 3LSQPHRLP1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

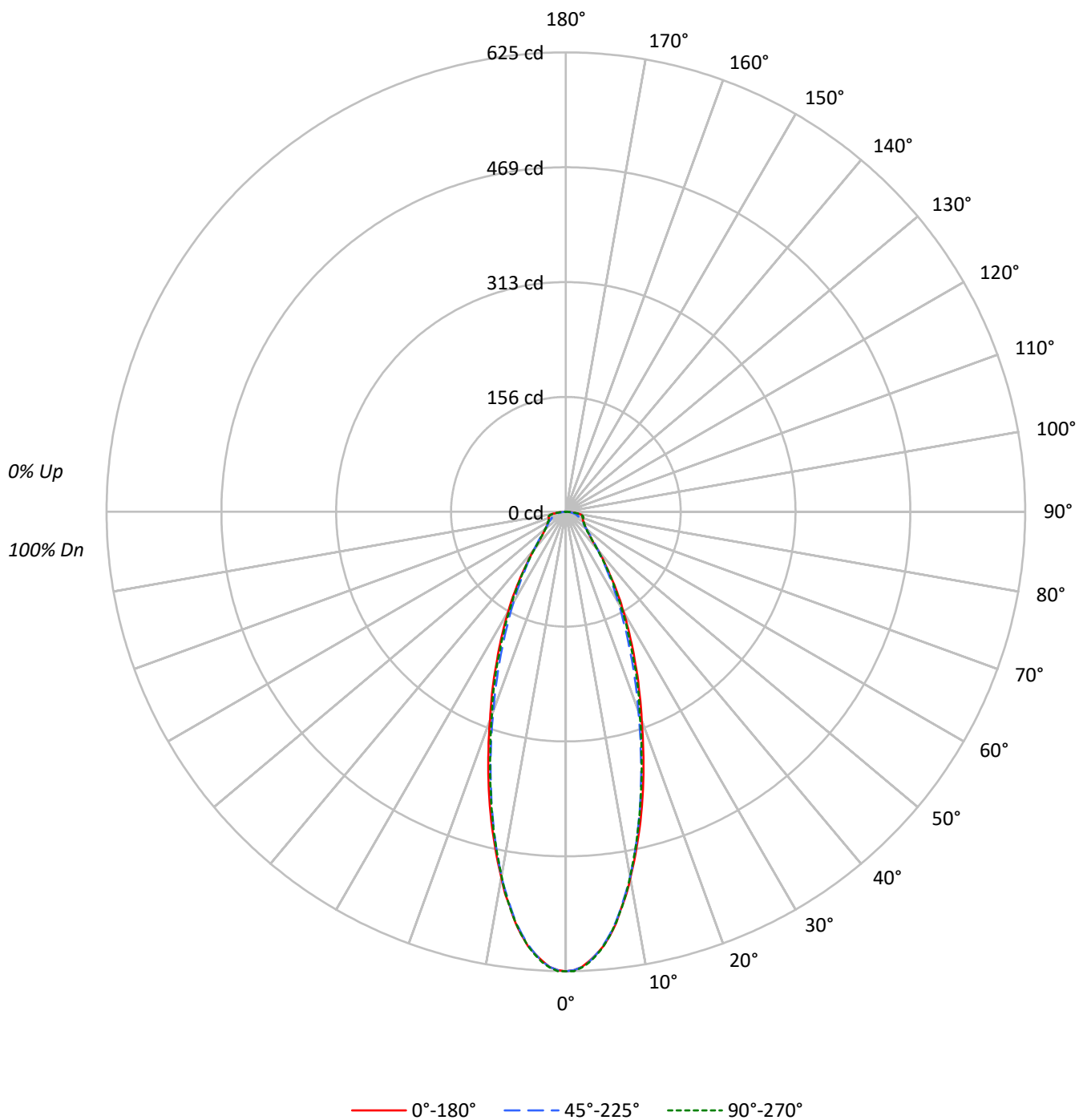
Lumens per Lamp: N/A
Luminaire Lumens: 441.0 lumens
Efficiency: N/A
Efficacy: 35.9 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	107691	107691	107691
5°	102466	102207	102466
10°	88472	88192	88052
15°	71801	70142	70410
20°	55313	52893	53883
25°	42015	38917	40837
30°	31162	28398	30247
35°	22013	20562	21697
40°	15175	15175	14816
45°	11155	11715	11155
50°	9779	9779	9779
55°	9308	9098	9308
60°	9610	8818	9610
65°	10432	8843	10432
70°	12488	8963	12488
75°	16037	9782	16037
80°	20034	10017	19241
85°	15413	9287	16796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 20034 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	12.2
10°-20°	109.5	24.8
20°-30°	97.8	22.2
30°-40°	64.2	14.6
40°-50°	37.3	8.5
50°-60°	27.7	6.3
60°-70°	23.4	5.3
70°-80°	19.3	4.4
80°-90°	8.1	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°	261.0	59.2
0°-40°	325.2	73.7
0°-60°	390.2	88.5
0°-90°	441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	625	625	625	625	625	
5°	593	592	591	592	593	54
15°	403	399	393	394	395	111
25°	221	215	205	210	215	102
35°	105	102	98	101	103	67
45°	46	47	48	47	46	37
55°	31	30	30	30	31	28
65°	26	23	22	23	26	26
75°	24	18	15	18	24	25
85°	8	8	5	8	8	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	625.3	625.3	625.3	625.3	625.3
1°	623.8	624.6	623.8	624.6	625.3
2°	619.9	620.7	619.9	619.9	620.7
3°	612.1	612.9	612.9	612.9	613.7
4°	602.8	603.6	602.8	603.6	604.4
5°	592.7	592.0	591.2	592.0	592.7
6°	578.8	578.0	577.2	578.0	578.8
7°	563.3	562.5	561.7	561.7	562.5
8°	543.9	544.6	542.3	543.9	544.6
9°	526.8	525.3	523.7	523.7	525.3
10°	505.9	504.3	504.3	503.5	503.5
12.5°	454.6	451.5	449.2	449.2	450.0
15°	402.7	398.8	393.4	394.1	394.9
17.5°	350.7	346.0	339.0	340.6	342.1
20°	301.8	297.2	288.6	291.7	294.0
22.5°	259.9	252.9	245.2	247.5	255.3
25°	221.1	214.9	204.8	210.3	214.9
27.5°	187.0	180.0	171.5	176.9	181.5
30°	156.7	150.5	142.8	147.4	152.1
32.5°	129.6	124.1	118.7	121.8	125.7
35°	104.7	101.6	97.8	100.9	103.2
37.5°	84.6	83.0	81.5	83.0	82.2
40°	67.5	68.3	67.5	67.5	65.9
42.5°	53.5	55.9	56.6	55.1	53.5
45°	45.8	46.6	48.1	46.6	45.8
47.5°	40.3	40.3	41.1	40.3	39.6
50°	36.5	36.5	36.5	36.5	36.5
52.5°	33.4	33.4	32.6	33.4	33.4
55°	31.0	30.3	30.3	30.3	31.0
57.5°	29.5	28.7	27.9	28.7	29.5
60°	27.9	26.4	25.6	26.4	27.9
62.5°	26.4	24.8	24.1	24.8	26.4
65°	25.6	23.3	21.7	23.3	25.6
67.5°	24.8	21.7	20.2	21.7	25.6
70°	24.8	20.2	17.8	20.9	24.8
72.5°	24.1	19.4	16.3	19.4	24.1
75°	24.1	17.8	14.7	17.8	24.1
77.5°	22.5	16.3	12.4	16.3	22.5
80°	20.2	14.7	10.1	14.7	19.4
82.5°	14.7	12.4	7.8	12.4	14.7
85°	7.8	8.5	4.7	8.5	8.5
87.5°	0.8	3.1	1.6	4.7	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)