

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: P1324390

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHRLP1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324390
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

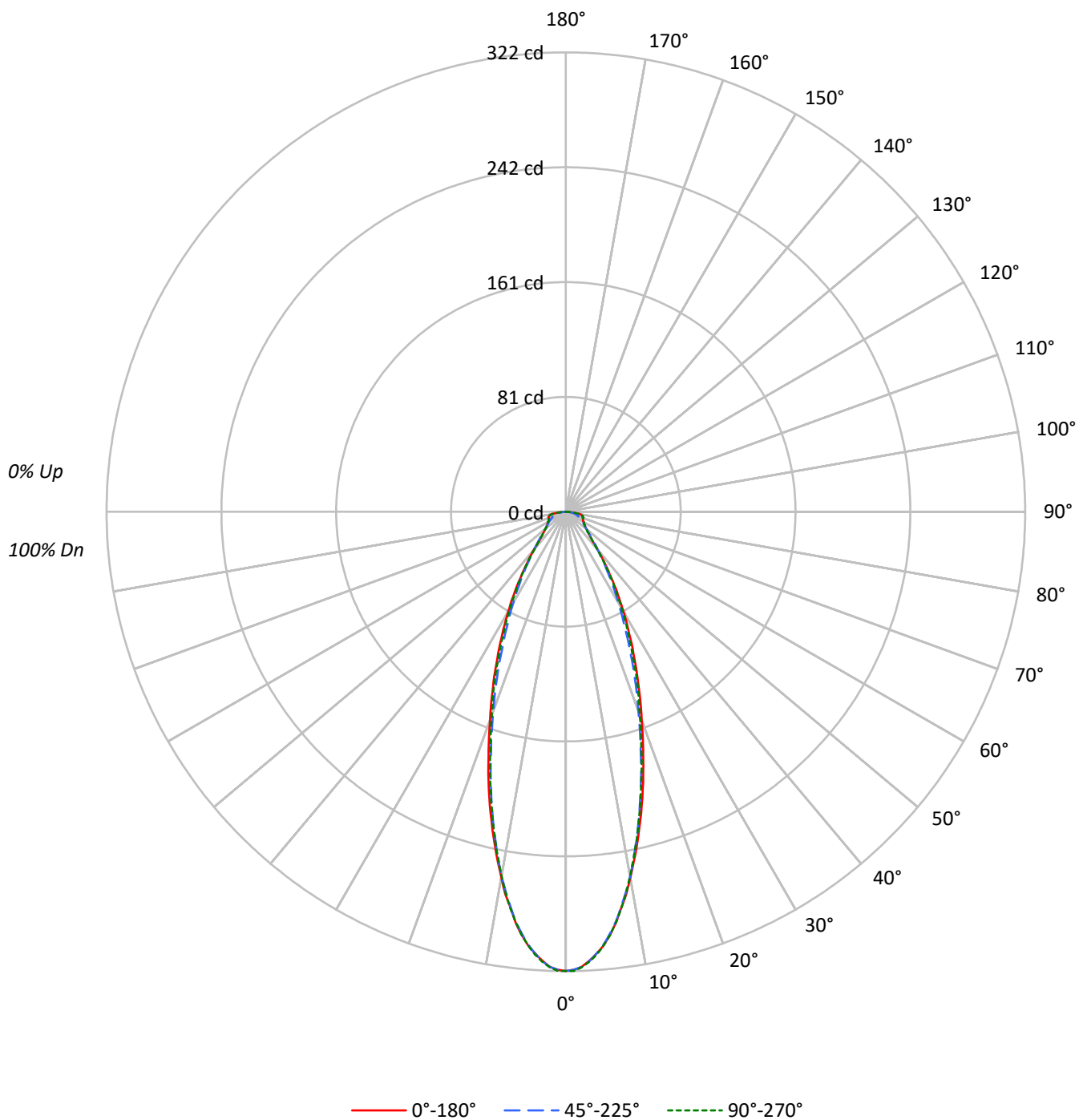
Lumens per Lamp: N/A
Luminaire Lumens: 227.1 lumens
Efficiency: N/A
Efficacy: 38.5 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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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	83	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	63		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	76	67	60	56	65	60	55		64	59	55		63	58	55	53
8	74	63	57	52	73	63	56	52	62	56	52		61	55	52		60	55	51	50
9	71	60	53	49	69	59	53	49	58	53	49		57	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°	55438	55438	55438
5°	52746	52608	52746
10°	45539	45399	45329
15°	36961	36105	36248
20°	28481	27235	27748
25°	21625	20029	21017
30°	16048	14617	15571
35°	11332	10575	11164
40°	7801	7801	7621
45°	5748	6040	5748
50°	5037	5037	5037
55°	4804	4684	4804
60°	4960	4547	4960
65°	5379	4564	5379
70°	6445	4633	6445
75°	8251	5057	8251
80°	10315	5157	9918
85°	7904	4742	8695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 10315 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.6	12.2
10°-20°	56.4	24.8
20°-30°	50.4	22.2
30°-40°	33.0	14.5
40°-50°	19.2	8.5
50°-60°	14.3	6.3
60°-70°	12.1	5.3
70°-80°	10.0	4.4
80°-90°	4.2	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°	134.4	59.2
0°-40°	167.4	73.7
0°-60°	200.9	88.5
0°-90°	227.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	227.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	322	322	322	322	322	
5°	305	305	304	305	305	28
15°	207	205	202	203	203	57
25°	114	111	105	108	111	52
35°	54	52	50	52	53	34
45°	24	24	25	24	24	19
55°	16	16	16	16	16	15
65°	13	12	11	12	13	13
75°	12	9	8	9	12	13
85°	4	4	2	4	4	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	321.9	321.9	321.9	321.9	321.9
1°	321.1	321.5	321.1	321.5	321.9
2°	319.1	319.5	319.1	319.1	319.5
3°	315.1	315.5	315.5	315.5	315.9
4°	310.3	310.7	310.3	310.7	311.1
5°	305.1	304.7	304.3	304.7	305.1
6°	297.9	297.5	297.1	297.5	297.9
7°	289.9	289.5	289.1	289.1	289.5
8°	280.0	280.4	279.2	280.0	280.4
9°	271.2	270.4	269.6	269.6	270.4
10°	260.4	259.6	259.6	259.2	259.2
12.5°	234.0	232.4	231.2	231.2	231.6
15°	207.3	205.3	202.5	202.9	203.3
17.5°	180.5	178.1	174.5	175.3	176.1
20°	155.4	153.0	148.6	150.2	151.4
22.5°	133.8	130.2	126.2	127.4	131.4
25°	113.8	110.6	105.4	108.2	110.6
27.5°	96.2	92.7	88.3	91.1	93.5
30°	80.7	77.5	73.5	75.9	78.3
32.5°	66.7	63.9	61.1	62.7	64.7
35°	53.9	52.3	50.3	51.9	53.1
37.5°	43.5	42.7	41.9	42.7	42.3
40°	34.7	35.1	34.7	34.7	33.9
42.5°	27.6	28.8	29.2	28.4	27.6
45°	23.6	24.0	24.8	24.0	23.6
47.5°	20.8	20.8	21.2	20.8	20.4
50°	18.8	18.8	18.8	18.8	18.8
52.5°	17.2	17.2	16.8	17.2	17.2
55°	16.0	15.6	15.6	15.6	16.0
57.5°	15.2	14.8	14.4	14.8	15.2
60°	14.4	13.6	13.2	13.6	14.4
62.5°	13.6	12.8	12.4	12.8	13.6
65°	13.2	12.0	11.2	12.0	13.2
67.5°	12.8	11.2	10.4	11.2	13.2
70°	12.8	10.4	9.2	10.8	12.8
72.5°	12.4	10.0	8.4	10.0	12.4
75°	12.4	9.2	7.6	9.2	12.4
77.5°	11.6	8.4	6.4	8.4	11.6
80°	10.4	7.6	5.2	7.6	10.0
82.5°	7.6	6.4	4.0	6.4	7.6
85°	4.0	4.4	2.4	4.4	4.4
87.5°	0.4	1.6	0.8	2.4	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)