

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: P1324387

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHRLP1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324387
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

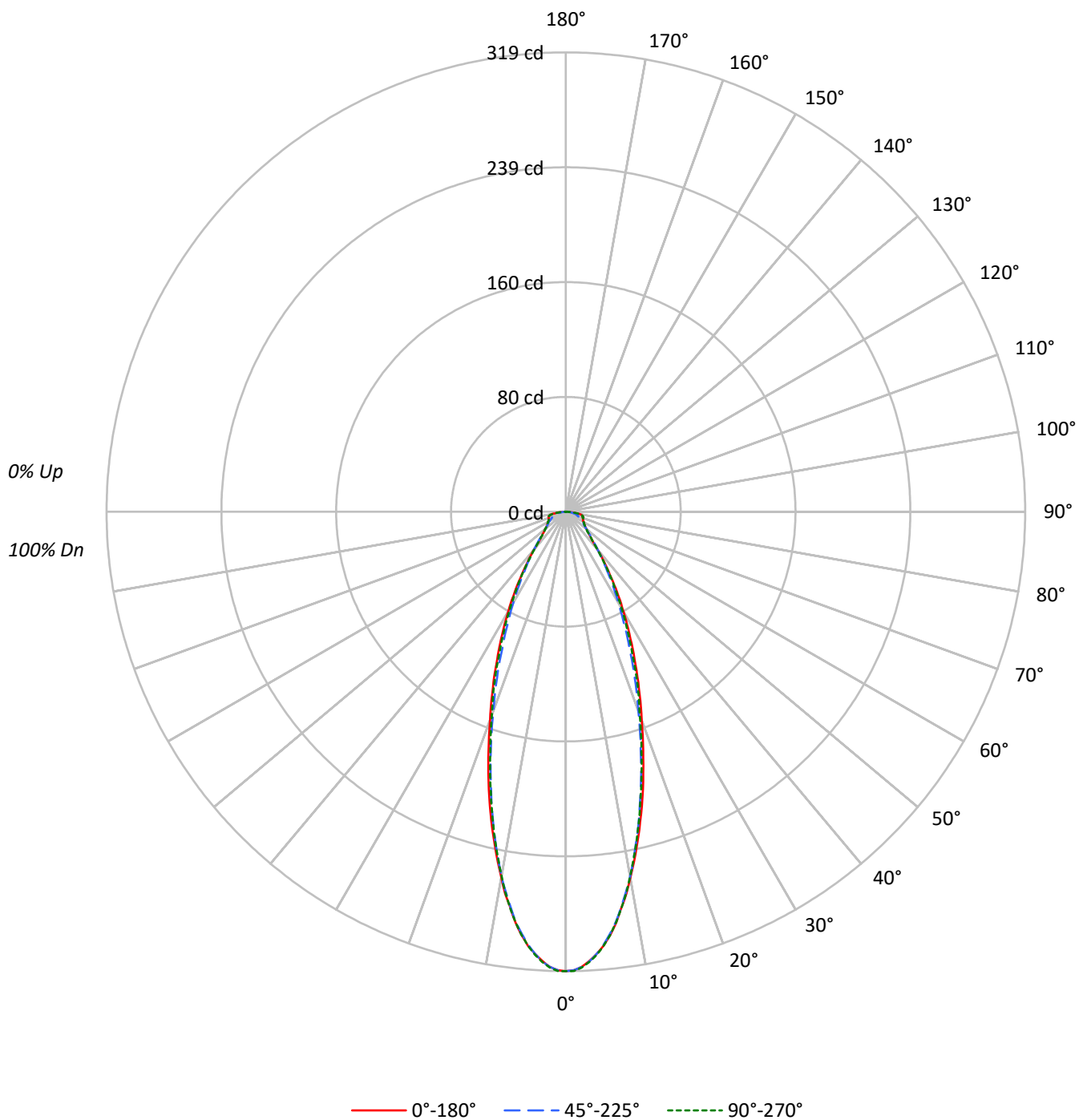
Lumens per Lamp: N/A
Luminaire Lumens: 225.0 lumens
Efficiency: N/A
Efficacy: 38.1 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54939	54939	54939
5°	52279	52141	52279
10°	45136	44996	44927
15°	36622	35784	35927
20°	28224	26996	27491
25°	21435	19858	20827
30°	15909	14477	15432
35°	11227	10491	11059
40°	7734	7734	7554
45°	5699	5967	5699
50°	4984	4984	4984
55°	4744	4624	4744
60°	4926	4512	4926
65°	5338	4523	5338
70°	6395	4582	6395
75°	8185	4991	8185
80°	10215	5058	9819
85°	7904	4742	8695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 10215 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.4	12.2
10°-20°	55.9	24.8
20°-30°	49.9	22.2
30°-40°	32.7	14.6
40°-50°	19.0	8.5
50°-60°	14.1	6.3
60°-70°	12.0	5.3
70°-80°	9.9	4.4
80°-90°	4.1	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°	133.2	59.2
0°-40°	165.9	73.7
0°-60°	199.1	88.5
0°-90°	225.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	225.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	319	319	319	319	319	
5°	302	302	302	302	302	27
15°	205	204	201	201	202	57
25°	113	110	104	107	110	52
35°	53	52	50	52	53	34
45°	23	24	24	24	23	19
55°	16	15	15	15	16	14
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°	319.0	319.0	319.0	319.0	319.0
1°	318.3	318.7	318.3	318.7	319.0
2°	316.3	316.7	316.3	316.3	316.7
3°	312.3	312.7	312.7	312.7	313.1
4°	307.6	308.0	307.6	308.0	308.4
5°	302.4	302.0	301.6	302.0	302.4
6°	295.3	294.9	294.5	294.9	295.3
7°	287.4	287.0	286.6	286.6	287.0
8°	277.5	277.9	276.7	277.5	277.9
9°	268.8	268.0	267.2	267.2	268.0
10°	258.1	257.3	257.3	256.9	256.9
12.5°	232.0	230.4	229.2	229.2	229.6
15°	205.4	203.5	200.7	201.1	201.5
17.5°	178.9	176.5	173.0	173.8	174.6
20°	154.0	151.6	147.3	148.8	150.0
22.5°	132.6	129.0	125.1	126.3	130.2
25°	112.8	109.6	104.5	107.3	109.6
27.5°	95.4	91.8	87.5	90.3	92.6
30°	80.0	76.8	72.8	75.2	77.6
32.5°	66.1	63.3	60.6	62.1	64.1
35°	53.4	51.9	49.9	51.5	52.6
37.5°	43.1	42.4	41.6	42.4	42.0
40°	34.4	34.8	34.4	34.4	33.6
42.5°	27.3	28.5	28.9	28.1	27.3
45°	23.4	23.8	24.5	23.8	23.4
47.5°	20.6	20.6	21.0	20.6	20.2
50°	18.6	18.6	18.6	18.6	18.6
52.5°	17.0	17.0	16.6	17.0	17.0
55°	15.8	15.4	15.4	15.4	15.8
57.5°	15.0	14.6	14.3	14.6	15.0
60°	14.3	13.5	13.1	13.5	14.3
62.5°	13.5	12.7	12.3	12.7	13.5
65°	13.1	11.9	11.1	11.9	13.1
67.5°	12.7	11.1	10.3	11.1	13.1
70°	12.7	10.3	9.1	10.7	12.7
72.5°	12.3	9.9	8.3	9.9	12.3
75°	12.3	9.1	7.5	9.1	12.3
77.5°	11.5	8.3	6.3	8.3	11.5
80°	10.3	7.5	5.1	7.5	9.9
82.5°	7.5	6.3	4.0	6.3	7.5
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)