

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: P1327687

Luminaire Tested: LDSQA3D13R20W2N902765DE010 3LSQPHRLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327687
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: LDSQA3D13R20W2N902765DE010 3LSQPHRLP1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

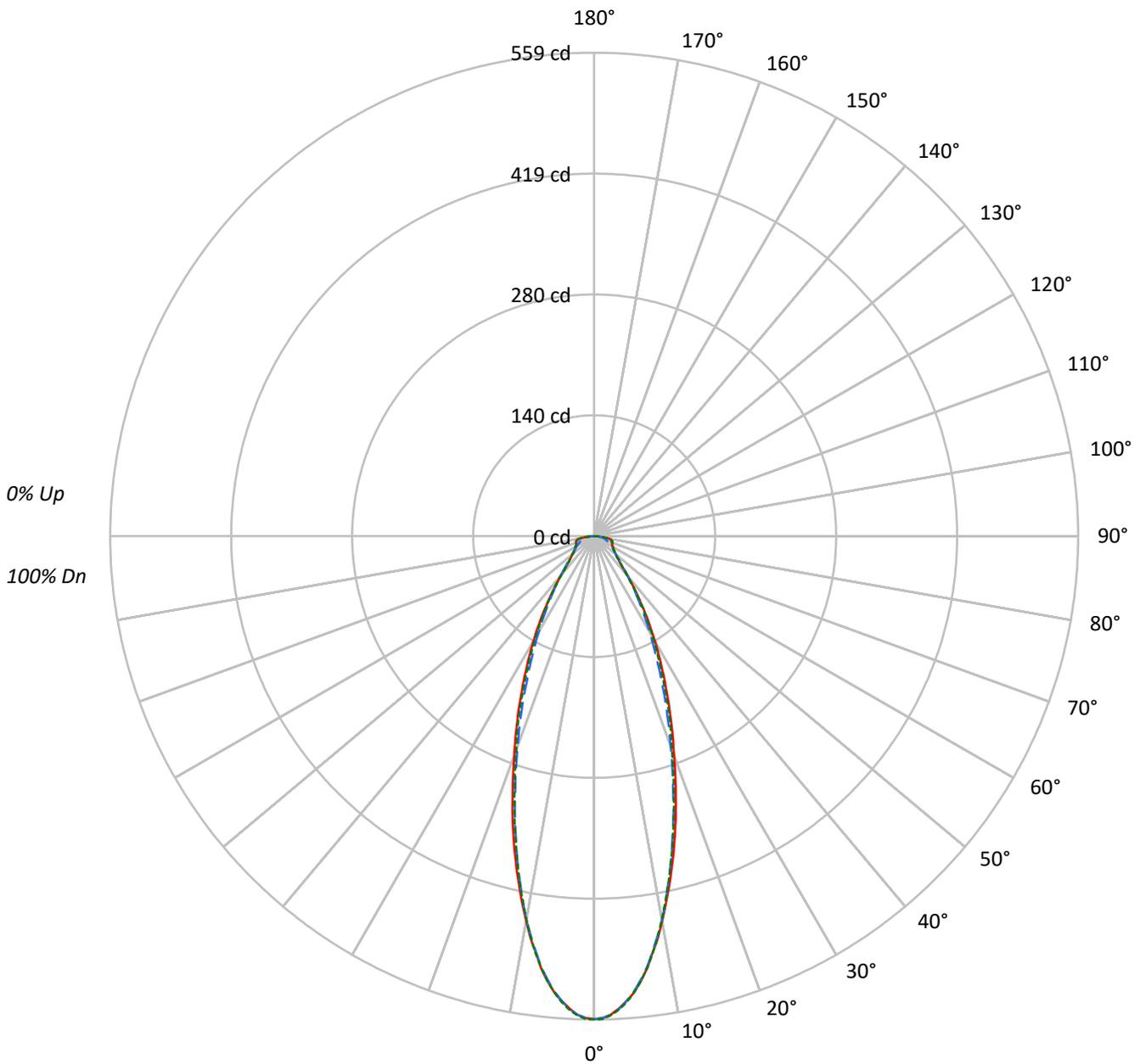
Lumens per Lamp: N/A
Luminaire Lumens: 394.0 lumens
Efficiency: N/A
Efficacy: 32.0 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1327687

CATALOG NUMBER: LDSQA3D13R20W2N902765DE010 3LSQPHRLP1MW_2700K

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1327687

CATALOG NUMBER: LDSQA3D13R20W2N902765DE010 3LSQPHRLP1MW_2700K

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	57	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	96221	96221	96221
5°	91558	91315	91558
10°	79028	78801	78678
15°	64152	62654	62904
20°	49411	47267	48146
25°	37549	34775	36485
30°	27841	25355	27026
35°	19679	18354	19385
40°	13557	13557	13242
45°	9962	10473	9962
50°	8735	8735	8735
55°	8317	8107	8317
60°	8611	7888	8611
65°	9332	7906	9332
70°	11179	8006	11179
75°	14306	8784	14306
80°	17852	8926	17158
85°	13635	8299	15018

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 17852 cd/sqm



TEST NUMBER: P1327687

CATALOG NUMBER: LDSQA3D13R20W2N902765DE010 3LSQPHRLP1MW_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.9	12.2
10°-20°	97.9	24.8
20°-30°	87.4	22.2
30°-40°	57.3	14.6
40°-50°	33.3	8.5
50°-60°	24.7	6.3
60°-70°	20.9	5.3
70°-80°	17.3	4.4
80°-90°	7.2	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°	233.2	59.2
0°-40°	290.5	73.7
0°-60°	348.6	88.5
0°-90°	394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	559	559	559	559	559	
5°	530	529	528	529	530	48
15°	360	356	351	352	353	99
25°	198	192	183	188	192	91
35°	94	91	87	90	92	60
45°	41	42	43	42	41	33
55°	28	27	27	27	28	25
65°	23	21	19	21	23	23
75°	22	16	13	16	22	22
85°	7	8	4	8	8	8
90°	0	0	0	0	0	



TEST NUMBER: P1327687

CATALOG NUMBER: LDSQA3D13R20W2N902765DE010 3LSQPHRLP1MW_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	558.7	558.7	558.7	558.7	558.7
1°	557.3	558.0	557.3	558.0	558.7
2°	553.8	554.5	553.8	553.8	554.5
3°	546.9	547.6	547.6	547.6	548.3
4°	538.6	539.3	538.6	539.3	540.0
5°	529.6	528.9	528.2	528.9	529.6
6°	517.1	516.4	515.7	516.4	517.1
7°	503.2	502.5	501.9	501.9	502.5
8°	485.9	486.6	484.5	485.9	486.6
9°	470.7	469.3	467.9	467.9	469.3
10°	451.9	450.6	450.6	449.9	449.9
12.5°	406.2	403.4	401.3	401.3	402.0
15°	359.8	356.3	351.4	352.1	352.8
17.5°	313.3	309.2	302.9	304.3	305.7
20°	269.6	265.5	257.9	260.6	262.7
22.5°	232.2	226.0	219.0	221.1	228.1
25°	197.6	192.0	183.0	187.8	192.0
27.5°	167.1	160.8	153.2	158.0	162.2
30°	140.0	134.5	127.5	131.7	135.9
32.5°	115.8	110.9	106.1	108.8	112.3
35°	93.6	90.8	87.3	90.1	92.2
37.5°	75.6	74.2	72.8	74.2	73.5
40°	60.3	61.0	60.3	60.3	58.9
42.5°	47.8	49.9	50.6	49.2	47.8
45°	40.9	41.6	43.0	41.6	40.9
47.5°	36.0	36.0	36.7	36.0	35.4
50°	32.6	32.6	32.6	32.6	32.6
52.5°	29.8	29.8	29.1	29.8	29.8
55°	27.7	27.0	27.0	27.0	27.7
57.5°	26.3	25.6	25.0	25.6	26.3
60°	25.0	23.6	22.9	23.6	25.0
62.5°	23.6	22.2	21.5	22.2	23.6
65°	22.9	20.8	19.4	20.8	22.9
67.5°	22.2	19.4	18.0	19.4	22.9
70°	22.2	18.0	15.9	18.7	22.2
72.5°	21.5	17.3	14.6	17.3	21.5
75°	21.5	15.9	13.2	15.9	21.5
77.5°	20.1	14.6	11.1	14.6	20.1
80°	18.0	13.2	9.0	13.2	17.3
82.5°	13.2	11.1	6.9	11.1	13.2
85°	6.9	7.6	4.2	7.6	7.6
87.5°	0.7	2.8	1.4	4.2	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)