

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: P1313650

Luminaire Tested: LDSQA3D13R209727DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209727DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

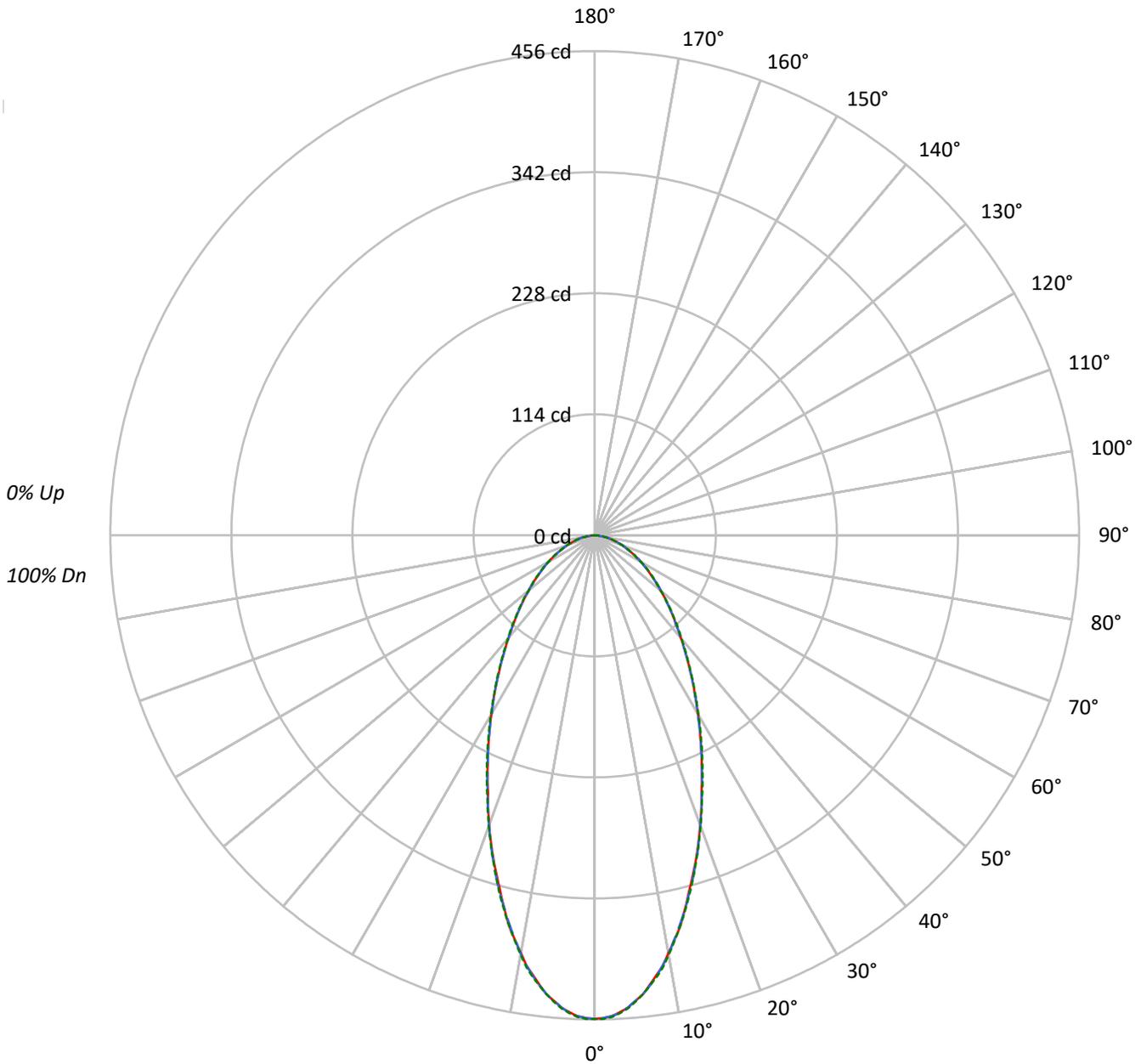
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 545.0 lumens
Efficiency: N/A
Efficacy: 37.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P1313650
CATALOG NUMBER: LDSQA3D13R209727DE010 3LSQPHRLD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270°



TEST NUMBER: P1313650

CATALOG NUMBER: LDSQA3D13R209727DE010 3LSQPHRLD1MW

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	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	78465	78465	78465
5°	76102	76102	76240
10°	69864	70004	70144
15°	61513	61798	61941
20°	53242	53242	53388
25°	45302	45302	45606
30°	38679	38500	38838
35°	33008	33008	33177
40°	28350	28350	28530
45°	24770	24770	24965
50°	21810	21810	21810
55°	19307	19307	19547
60°	17360	17360	17360
65°	15567	15567	15567
70°	13948	13948	13948
75°	12443	11911	12443
80°	10513	10513	10513
85°	6521	6521	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 24965 cd/sqm



TEST NUMBER: P1313650

CATALOG NUMBER: LDSQA3D13R209727DE010 3LSQPHRLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	7.5
10°-20°	96.5	17.7
20°-30°	109.8	20.2
30°-40°	98.6	18.1
40°-50°	79.0	14.5
50°-60°	58.1	10.7
60°-70°	37.9	7.0
70°-80°	19.7	3.6
80°-90°	4.6	0.8
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°	247.1	45.3
0°-40°	345.7	63.4
0°-60°	482.8	88.6
0°-90°	545.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	456	456	456	456	456	
5°	440	440	440	440	441	41
15°	345	345	347	347	347	96
25°	238	238	238	239	240	110
35°	157	157	157	157	158	99
45°	102	102	102	102	102	79
55°	64	64	64	64	65	58
65°	38	37	38	38	38	38
75°	19	18	18	19	19	20
85°	3	3	3	4	4	4
90°	0	0	0	0	0	



TEST NUMBER: P1313650

CATALOG NUMBER: LDSQA3D13R209727DE010 3LSQPHRLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	455.6	455.6	455.6	455.6	455.6
1°	454.8	454.0	454.8	454.8	455.6
2°	453.2	453.2	453.2	452.4	454.0
3°	449.9	449.9	450.8	449.9	450.8
4°	445.9	445.9	445.9	445.1	446.7
5°	440.2	440.2	440.2	440.2	441.0
6°	434.5	433.7	434.5	433.7	434.5
7°	426.4	426.4	427.2	426.4	427.2
8°	418.2	417.4	419.0	418.2	419.8
9°	410.1	409.3	410.1	409.3	411.7
10°	399.5	400.3	400.3	400.3	401.1
12.5°	375.1	373.5	373.5	373.5	375.1
15°	345.0	345.0	346.6	346.6	347.4
17.5°	318.1	317.3	319.0	319.0	319.0
20°	290.5	289.7	290.5	290.5	291.3
22.5°	262.8	263.6	263.6	263.6	264.4
25°	238.4	238.4	238.4	239.2	240.0
27.5°	215.6	214.8	215.6	216.4	217.2
30°	194.5	193.6	193.6	194.5	195.3
32.5°	174.9	174.1	174.9	174.9	175.7
35°	157.0	157.0	157.0	157.0	157.8
37.5°	140.8	140.8	140.8	141.6	141.6
40°	126.1	126.1	126.1	126.9	126.9
42.5°	113.1	113.1	113.1	113.9	114.7
45°	101.7	101.7	101.7	101.7	102.5
47.5°	91.1	91.1	91.1	91.9	91.9
50°	81.4	80.6	81.4	82.2	81.4
52.5°	72.4	72.4	72.4	72.4	73.2
55°	64.3	64.3	64.3	64.3	65.1
57.5°	57.0	57.0	57.0	57.8	57.8
60°	50.4	50.4	50.4	50.4	50.4
62.5°	43.9	43.9	43.9	43.9	43.9
65°	38.2	37.4	38.2	38.2	38.2
67.5°	32.5	32.5	32.5	32.5	32.5
70°	27.7	27.7	27.7	27.7	27.7
72.5°	22.8	22.8	22.8	22.8	22.8
75°	18.7	17.9	17.9	18.7	18.7
77.5°	14.6	13.8	14.6	14.6	14.6
80°	10.6	10.6	10.6	10.6	10.6
82.5°	6.5	6.5	6.5	7.3	7.3
85°	3.3	3.3	3.3	4.1	4.1
87.5°	0.8	0.8	0.8	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)