

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: P1311499

Luminaire Tested: LDSQA3D13R359040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

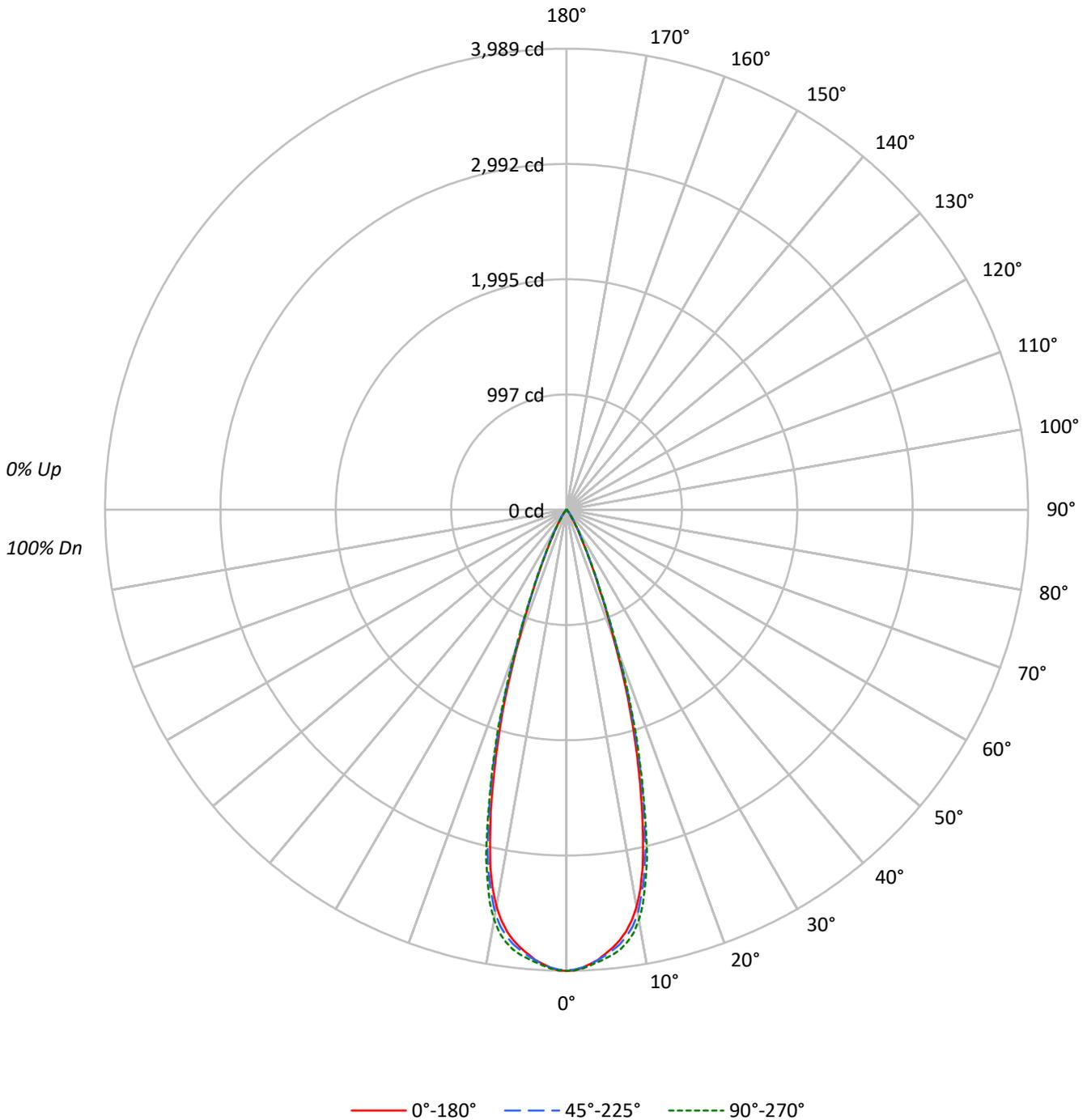
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1339.9 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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

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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	687031	687031	687031
5°	666696	669048	673560
10°	609857	620455	629968
15°	437757	453786	458458
20°	220206	233035	233621
25°	83460	86044	86443
30°	33887	38878	33270
35°	12320	18691	11879
40°	5171	8004	4946
45°	1267	3312	1267
50°	831	1393	831
55°	931	931	931
60°	1068	1068	1068
65°	856	856	856
70°	504	504	504
75°	665	665	665
80°	992	992	992
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3312 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.7	26.9
10°-20°	671.9	50.1
20°-30°	241.7	18.0
30°-40°	50.8	3.8
40°-50°	8.7	0.7
50°-60°	2.8	0.2
60°-70°	2.1	0.2
70°-80°	1.1	0.1
80°-90°	0.2	0.0
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°	1274.3	95.1
0°-40°	1325.0	98.9
0°-60°	1336.6	99.8
0°-90°	1339.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1339.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3989	3989	3989	3989	3989	
5°	3856	3864	3870	3896	3896	357
15°	2455	2498	2545	2572	2571	653
25°	439	446	453	457	455	233
35°	59	69	89	68	56	45
45°	5	8	14	8	5	6
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3989.2	3989.2	3989.2	3989.2	3989.2
1°	3987.1	3987.1	3978.7	3988.2	3985.0
2°	3965.1	3967.2	3962.0	3973.5	3972.5
3°	3934.8	3940.1	3935.9	3952.6	3947.4
4°	3902.4	3906.6	3904.5	3925.4	3923.3
5°	3856.4	3863.7	3870.0	3896.1	3896.1
6°	3809.3	3816.7	3830.3	3858.5	3867.9
7°	3755.0	3764.4	3786.3	3824.0	3830.3
8°	3686.0	3696.4	3726.7	3767.5	3775.9
9°	3600.2	3615.9	3650.4	3699.5	3704.8
10°	3487.3	3499.8	3547.9	3588.7	3602.3
11°	3340.9	3351.3	3394.2	3460.1	3468.5
12°	3163.1	3175.7	3231.1	3274.0	3282.3
13°	2938.3	2962.4	3029.3	3071.1	3094.1
14°	2707.2	2739.6	2787.7	2847.3	2832.7
15°	2455.2	2498.1	2545.1	2572.3	2571.3
17.5°	1837.2	1862.3	1904.1	1919.8	1940.7
20°	1201.5	1233.9	1271.5	1286.2	1274.7
22.5°	745.6	753.9	765.4	771.7	769.6
25°	439.2	445.5	452.8	457.0	454.9
27.5°	264.6	279.2	289.6	277.1	269.8
30°	170.4	176.7	195.5	178.8	167.3
32.5°	101.4	116.1	131.8	111.9	97.2
35°	58.6	69.0	88.9	68.0	56.5
37.5°	37.6	42.9	57.5	41.8	36.6
40°	23.0	29.3	35.6	27.2	22.0
42.5°	11.5	17.8	20.9	15.7	11.5
45°	5.2	8.4	13.6	8.4	5.2
47.5°	3.1	4.2	8.4	4.2	3.1
50°	3.1	3.1	5.2	3.1	3.1
52.5°	3.1	3.1	3.1	3.1	3.1
55°	3.1	3.1	3.1	3.1	3.1
57.5°	3.1	3.1	3.1	3.1	3.1
60°	3.1	3.1	3.1	3.1	3.1
62.5°	2.1	2.1	2.1	2.1	2.1
65°	2.1	2.1	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.1	2.1
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)