

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: P1316291

Luminaire Tested: LDSQA3D05R359740DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359740DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

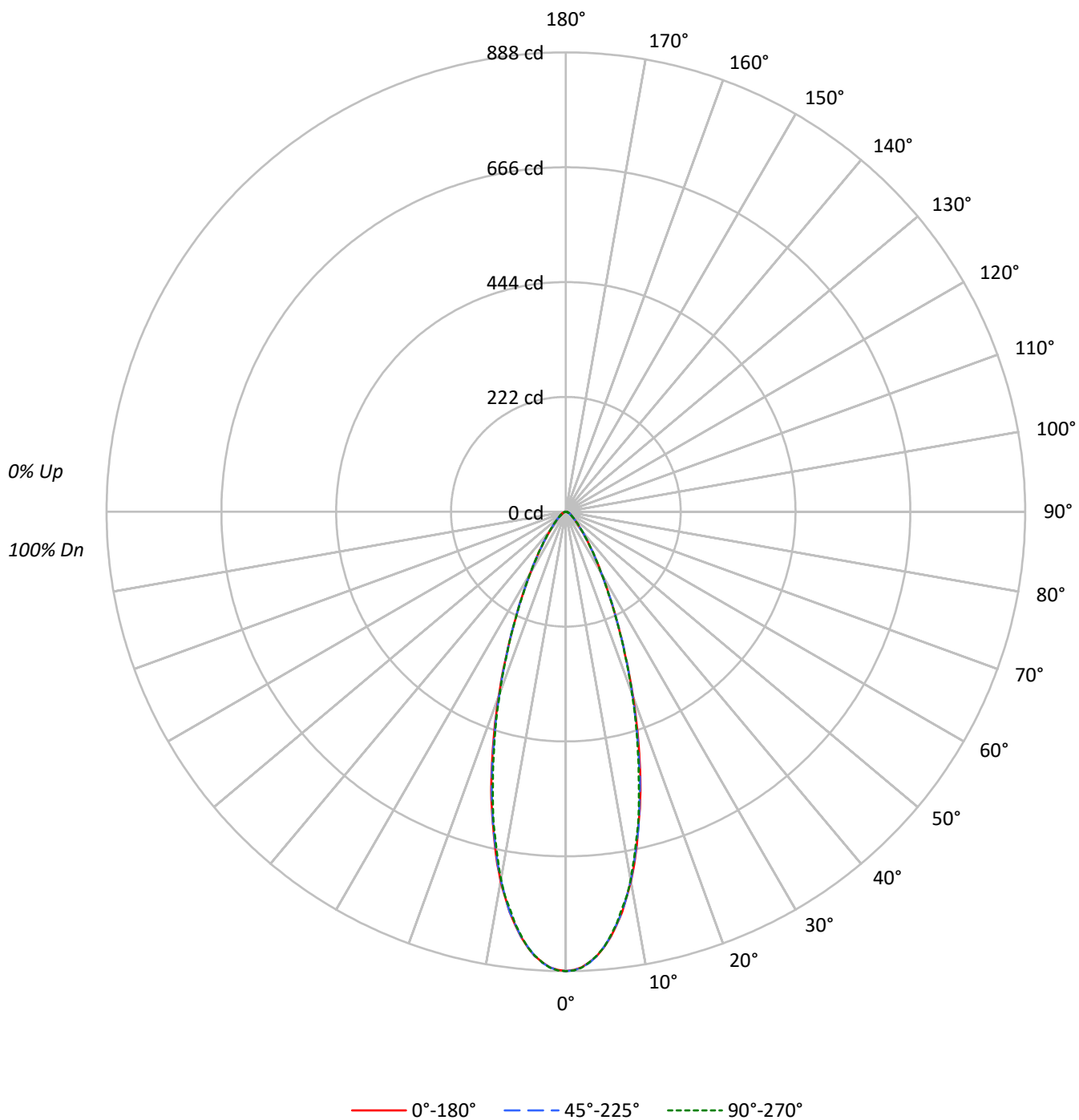
Lumens per Lamp: N/A
Luminaire Lumens: 438.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	152951	152951	152951
5°	146153	145911	146153
10°	126875	126455	126298
15°	99419	98652	97083
20°	69553	68930	68490
25°	44181	44447	44181
30°	27225	27404	27225
35°	16841	16946	16946
40°	10701	10791	10791
45°	7209	7331	7453
50°	5198	5332	5332
55°	4084	4084	4084
60°	3341	3341	3341
65°	2975	2975	2975
70°	2669	2669	2669
75°	2262	2262	2262
80°	1884	1884	1884
85°	988	988	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	17.5
10°-20°	151.1	34.5
20°-30°	109.0	24.9
30°-40°	52.6	12.0
40°-50°	24.2	5.5
50°-60°	12.5	2.9
60°-70°	7.3	1.7
70°-80°	3.7	0.8
80°-90°	0.9	0.2
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°	336.9	76.9
0°-40°	389.5	88.9
0°-60°	426.2	97.3
0°-90°	438.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	438.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	888	888	888	888	888	
5°	845	847	844	844	845	77
15°	558	557	553	551	544	152
25°	232	233	234	234	232	109
35°	80	80	81	81	81	52
45°	30	30	30	31	31	24
55°	14	14	14	14	14	12
65°	7	7	7	7	7	7
75°	3	3	3	3	3	4
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	888.1	888.1	888.1	888.1	888.1
1°	885.7	887.2	886.7	887.2	886.7
2°	881.3	882.3	881.3	881.8	881.8
3°	872.1	873.1	873.1	872.6	872.1
4°	861.0	863.4	861.0	861.4	860.0
5°	845.4	847.4	844.0	844.5	845.4
6°	826.5	827.0	826.0	825.5	824.6
7°	804.7	806.6	803.2	803.7	802.7
8°	781.4	780.9	780.9	778.9	776.0
9°	753.2	755.2	752.2	751.3	751.8
10°	725.5	725.5	723.1	720.7	722.2
11°	694.0	693.0	691.6	688.2	687.2
12°	659.5	661.5	657.1	655.7	652.3
13°	624.1	627.0	625.1	619.7	620.2
14°	591.1	589.2	587.7	586.7	583.4
15°	557.6	556.7	553.3	550.8	544.5
17.5°	465.9	466.9	460.6	459.6	457.2
20°	379.5	376.6	376.1	376.6	373.7
22.5°	299.4	302.4	299.0	299.4	297.5
25°	232.5	233.0	233.9	233.9	232.5
27.5°	180.5	180.5	179.6	180.5	179.1
30°	136.9	136.9	137.8	138.8	136.9
32.5°	105.8	105.8	105.8	106.3	106.8
35°	80.1	80.1	80.6	80.6	80.6
37.5°	61.6	62.1	62.6	62.6	62.6
40°	47.6	48.0	48.0	48.5	48.0
42.5°	37.9	37.9	37.9	38.3	38.3
45°	29.6	30.1	30.1	30.6	30.6
47.5°	24.3	24.3	24.3	24.8	24.8
50°	19.4	19.9	19.9	19.9	19.9
52.5°	16.0	16.0	16.5	16.5	16.5
55°	13.6	13.6	13.6	13.6	13.6
57.5°	11.2	11.6	11.6	11.6	11.6
60°	9.7	9.7	9.7	9.7	9.7
62.5°	8.3	8.3	8.3	8.3	8.3
65°	7.3	7.3	7.3	7.3	7.3
67.5°	5.8	6.3	6.3	6.3	6.3
70°	5.3	5.3	5.3	5.3	5.3
72.5°	3.9	4.4	4.4	4.4	4.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.9	2.4	2.4	2.4	2.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.5	0.5



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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)