

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: P1310580

Luminaire Tested: LDSQA3D17R559035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R559035DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

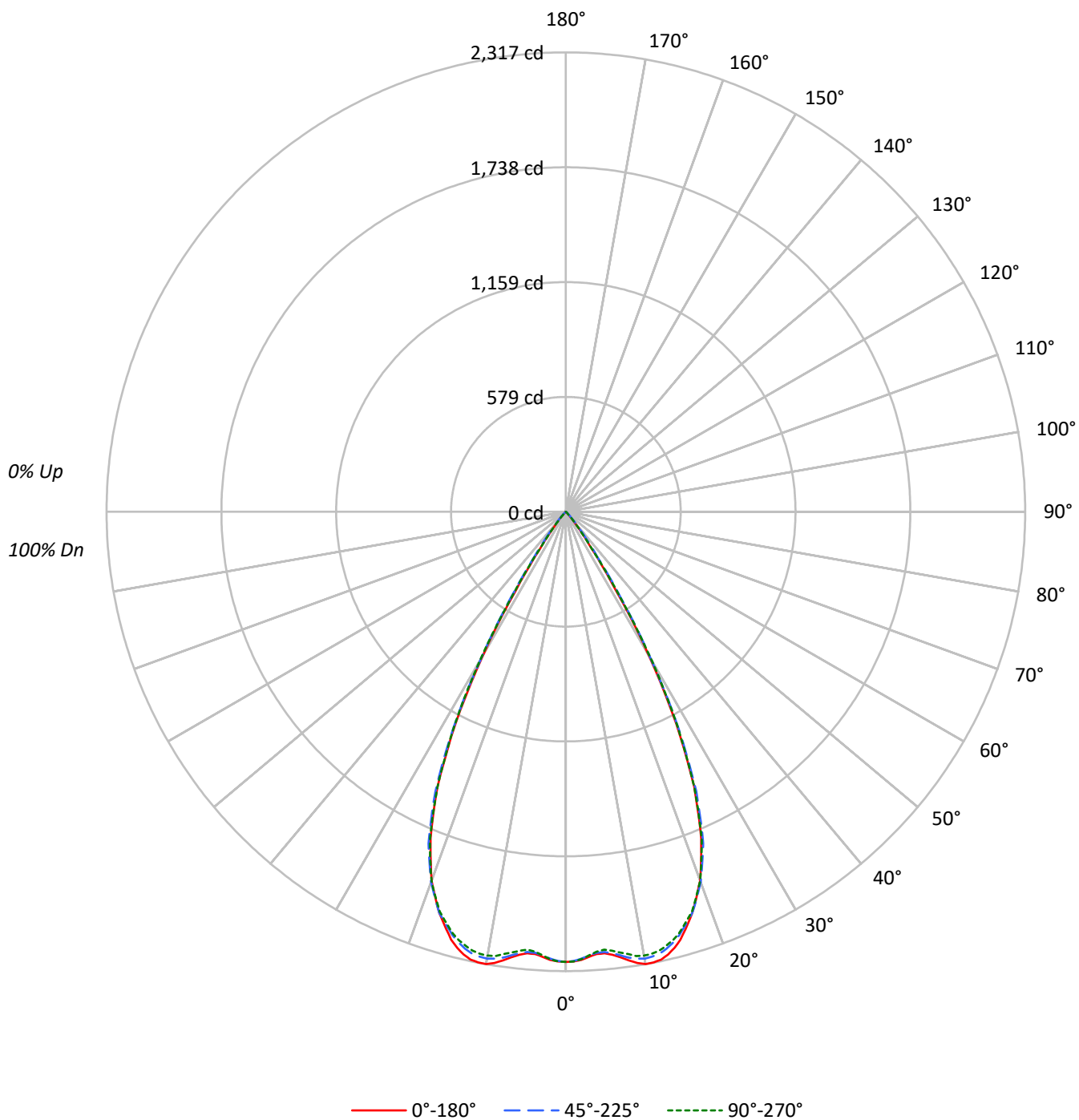
Lumens per Lamp: N/A
Luminaire Lumens: 1726.0 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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			0
RW	70	50	30	10	70	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	100
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79	75	73	71
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75	72	69	67
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69	65	62	61
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	390997	390997	390997
5°	386526	385385	383328
10°	405143	400264	397484
15°	398407	394146	392737
20°	362886	364352	363142
25°	291140	295662	291140
30°	167107	171323	172635
35°	47642	57397	49050
40°	12208	17581	12523
45°	1291	6138	974
50°	0	1072	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6138 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.5	12.5
10°-20°	615.1	35.6
20°-30°	677.5	39.3
30°-40°	202.2	11.7
40°-50°	15.5	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1508.1	87.4
0°-40°	1710.4	99.1
0°-60°	1726.0	100.0
0°-90°	1726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1726.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2270	2270	2270	2270	2270	
5°	2236	2232	2229	2220	2217	217
15°	2234	2219	2211	2201	2203	619
25°	1532	1532	1556	1553	1532	671
35°	227	241	273	249	233	187
45°	5	13	25	13	4	10
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2270.3	2270.3	2270.3	2270.3	2270.3
1°	2269.0	2269.0	2266.3	2265.0	2269.0
2°	2262.3	2262.3	2255.7	2254.4	2258.4
3°	2247.8	2246.4	2241.1	2237.2	2239.8
4°	2235.8	2233.2	2229.2	2222.6	2223.9
5°	2235.8	2231.9	2229.2	2219.9	2217.3
6°	2246.4	2243.8	2238.5	2229.2	2226.6
7°	2265.0	2259.7	2254.4	2242.5	2239.8
8°	2284.9	2280.9	2270.3	2258.4	2253.1
9°	2304.7	2295.5	2282.2	2270.3	2269.0
10°	2316.7	2303.4	2288.8	2274.3	2272.9
11°	2315.3	2303.4	2286.2	2272.9	2271.6
12°	2310.0	2292.8	2278.2	2262.3	2263.7
13°	2291.5	2275.6	2261.0	2249.1	2246.4
14°	2266.3	2251.7	2238.5	2226.6	2227.9
15°	2234.5	2218.6	2210.6	2201.4	2202.7
17.5°	2121.8	2117.9	2121.8	2111.2	2115.2
20°	1980.0	1976.1	1988.0	1982.7	1981.4
22.5°	1782.6	1787.9	1810.4	1803.8	1791.8
25°	1532.1	1532.1	1555.9	1553.3	1532.1
27.5°	1206.0	1215.3	1229.9	1236.5	1220.6
30°	840.3	861.5	861.5	874.7	868.1
32.5°	469.2	514.2	524.8	531.5	504.9
35°	226.6	241.2	273.0	249.2	233.3
37.5°	108.7	115.3	147.1	119.3	111.3
40°	54.3	62.3	78.2	64.9	55.7
42.5°	22.5	33.1	41.1	33.1	22.5
45°	5.3	13.3	25.2	13.3	4.0
47.5°	0.0	1.3	11.9	2.7	0.0
50°	0.0	0.0	4.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	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)