

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: FAIL-SAFE

Report Number: P560790

Luminaire Tested: FSR-12-4-LD4-1HI-35-UNV-82-87-EDD-90

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-2019
Report Number: P560790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2102-135-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSR-12-4-LD4-1HI-35-UNV-82-87-EDD-90
Description: 1X4 FSR TROFFER WITH .187 CLEAR PC FIXTURE SIDE AND .375 CLEAR PC ENVIRONMENTAL SI
LENSES WITH, 90 CRI AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

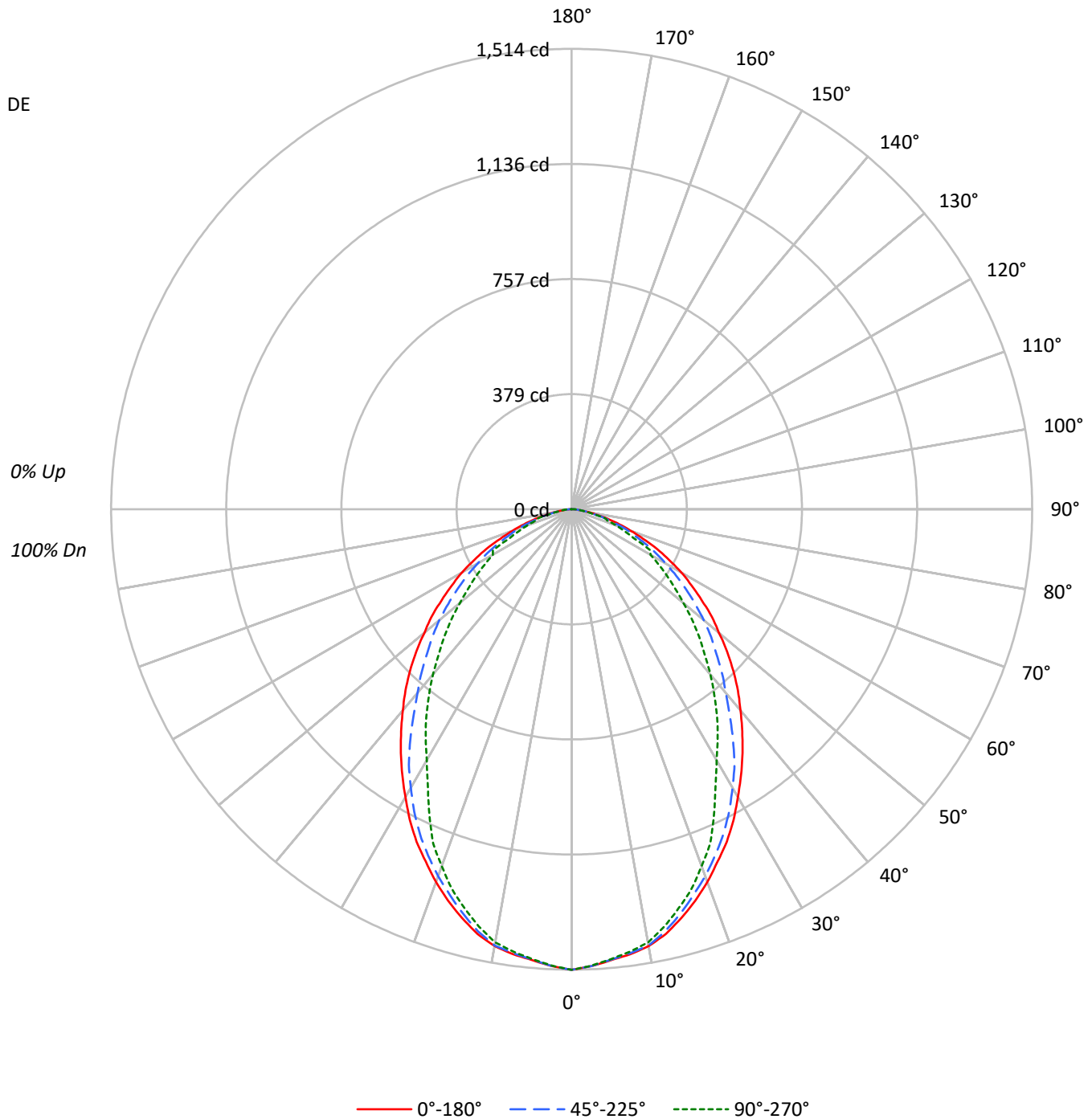
Lumens per Lamp: N/A
Luminaire Lumens: 2973.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1 / 1.15
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 43.2
Input Voltage (V):
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: P560790
CATALOG NUMBER: FSR-12-4-LD4-1HI-35-UNV-82-87-EDD-90

Luminous Intensity Polar Plot





TEST NUMBER: P560790

CATALOG NUMBER: FSR-12-4-LD4-1HI-35-UNV-82-87-EDD-90

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	4.7
10°-20°	386.9	13.0
20°-30°	535.6	18.0
30°-40°	571.1	19.2
40°-50°	521.0	17.5
50°-60°	408.2	13.7
60°-70°	266.0	8.9
70°-80°	117.9	4.0
80°-90°	25.3	0.9
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°	1063.5	35.8
0°-40°	1634.6	55.0
0°-60°	2563.8	86.2
0°-90°	2973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1514	1514	1514	1514	1514	
5°	1488	1486	1486	1485	1485	141
15°	1392	1392	1378	1364	1359	391
25°	1206	1199	1180	1138	1106	554
35°	979	972	924	854	833	612
45°	751	735	672	616	592	579
55°	522	506	459	404	383	468
65°	310	292	264	270	224	305
75°	124	116	108	103	114	133
85°	18	19	21	23	24	24
90°	0	0	0	0	0	



TEST NUMBER: P560790

CATALOG NUMBER: FSR-12-4-LD4-1HI-35-UNV-82-87-EDD-90

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1514.4	1514.4	1514.4	1514.4	1514.4
2.5°	1503.9	1503.9	1503.9	1502.2	1502.2
5°	1488.1	1486.4	1486.4	1484.6	1484.6
7.5°	1475.9	1474.1	1472.4	1470.6	1467.1
10°	1458.4	1458.4	1456.6	1447.9	1446.1
12.5°	1430.4	1428.6	1421.6	1409.4	1405.9
15°	1391.9	1391.9	1377.8	1363.8	1358.6
17.5°	1349.8	1348.1	1330.6	1316.6	1309.6
20°	1304.3	1300.8	1283.3	1260.5	1248.3
22.5°	1253.5	1253.5	1232.5	1202.8	1190.5
25°	1206.3	1199.3	1180.0	1138.0	1106.5
27.5°	1152.0	1141.5	1120.5	1061.0	1024.2
30°	1092.5	1087.2	1057.5	980.4	952.4
32.5°	1036.4	1027.7	996.2	915.6	892.9
35°	978.7	971.7	924.4	854.4	833.4
37.5°	920.9	912.1	852.6	796.6	770.3
40°	863.1	852.6	787.8	737.1	709.1
42.5°	808.9	794.8	731.8	677.5	646.0
45°	751.1	735.3	672.3	616.3	591.8
47.5°	693.3	679.3	621.5	563.7	535.7
50°	632.0	619.8	567.2	509.5	479.7
52.5°	581.3	562.0	511.2	453.4	428.9
55°	521.7	506.0	458.7	404.4	383.4
57.5°	467.5	451.7	407.9	357.2	339.6
60°	416.7	393.9	357.2	313.4	299.4
62.5°	360.7	343.1	311.6	274.9	292.4
65°	309.9	292.4	264.4	269.6	224.1
67.5°	253.9	245.1	220.6	196.1	189.1
70°	206.6	196.1	187.3	161.1	154.1
72.5°	164.6	154.1	141.8	127.8	122.6
75°	124.3	115.6	108.5	103.3	113.8
77.5°	85.8	82.3	77.0	71.8	70.0
80°	56.0	54.3	52.5	50.8	49.0
82.5°	33.3	33.3	33.3	33.3	33.3
85°	17.5	19.3	21.0	22.8	24.5
87.5°	10.5	10.5	12.3	14.0	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)