

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: McGRAW-EDISON

Report Number: P636073

Luminaire Tested: GWS-SA3F-722-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15850.8 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

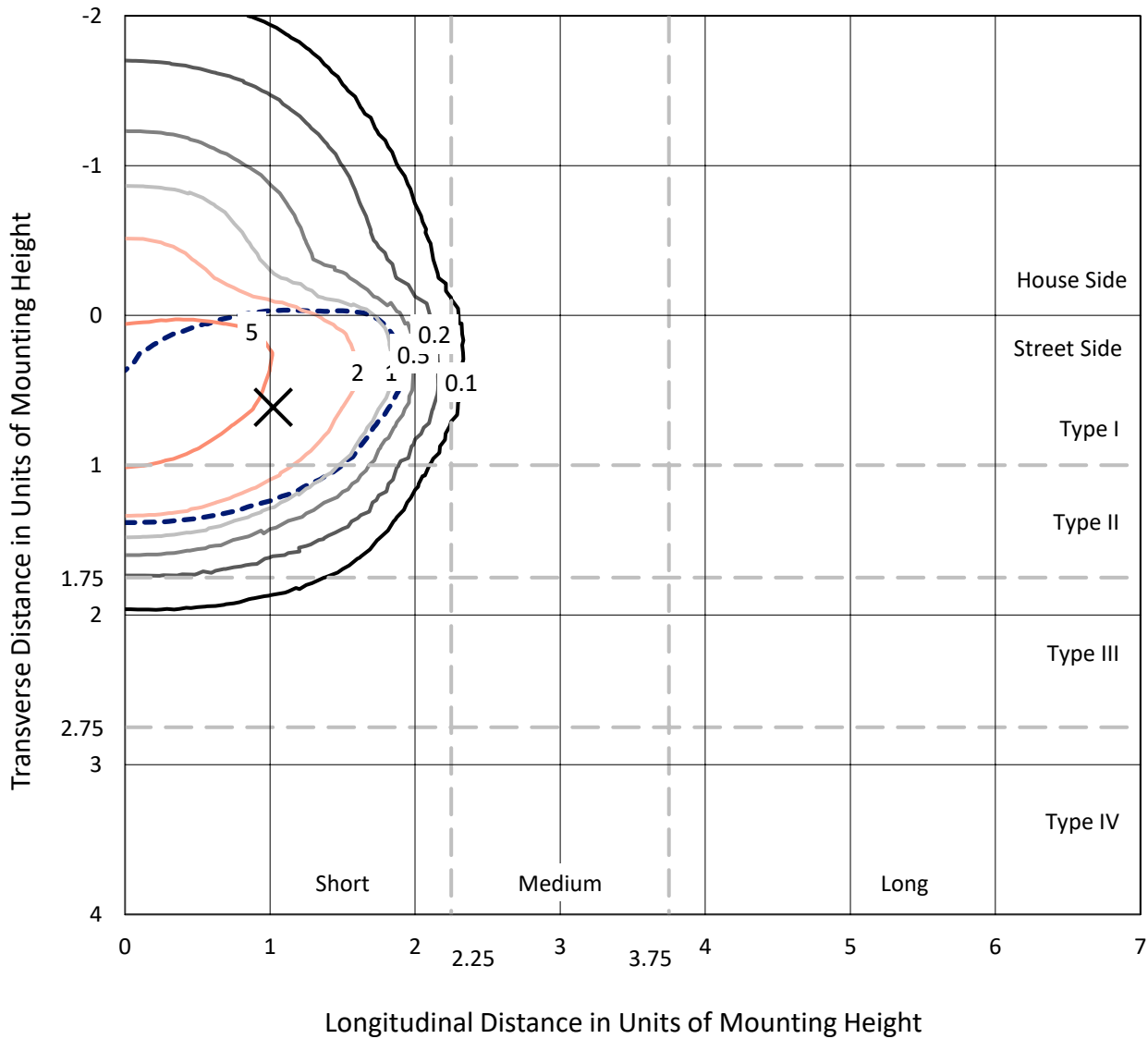
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

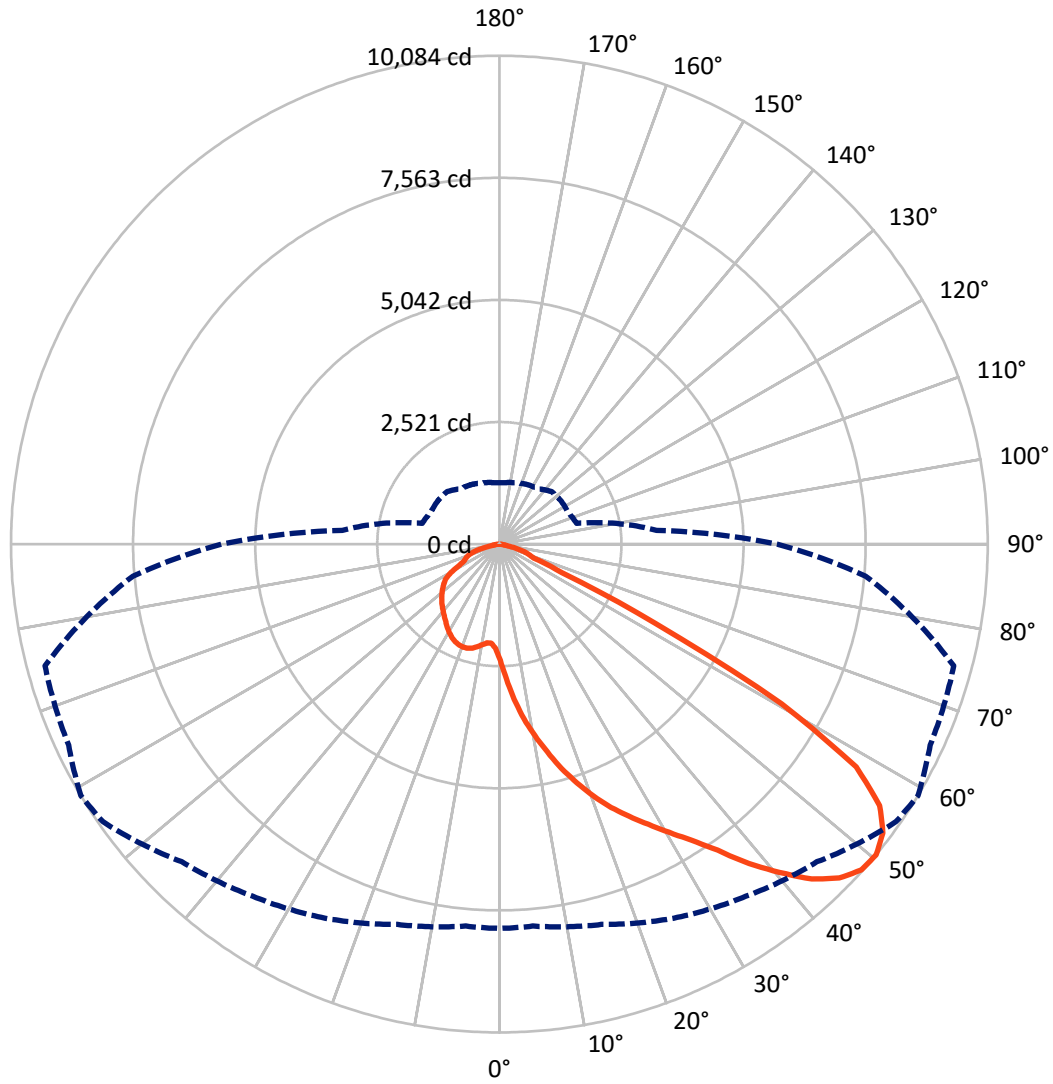
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3646.0	0.0	3646.0
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	12204.8	0.0	12204.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	15850.8	0.0	15850.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.4	1.7
10°-20°	978.0	6.2
20°-30°	1851.9	11.7
30°-40°	3071.1	19.4
40°-50°	4195.3	26.5
50°-60°	3808.2	24.0
60°-70°	1268.2	8.0
70°-80°	369.9	2.3
80°-90°	38.9	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°-90°	15850.8	100.0
0°-180°	15850.8	100.0

Coefficient of Utilization



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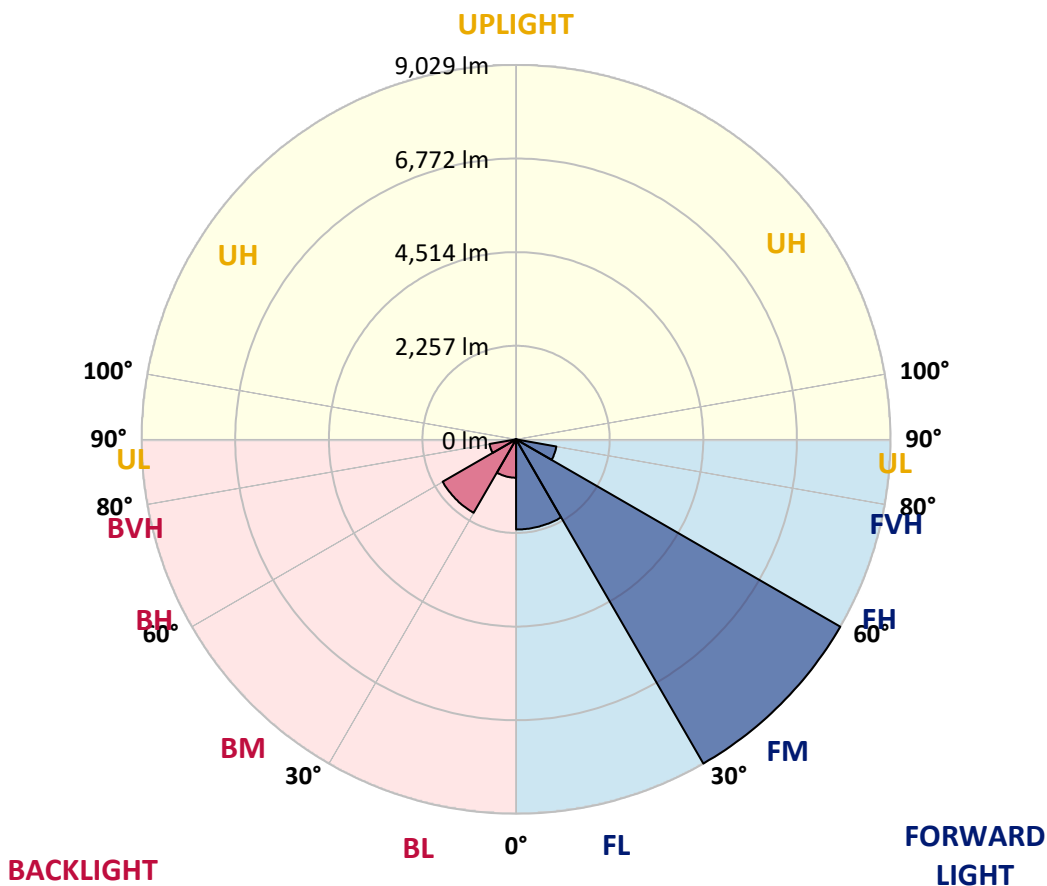
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2173.5	13.7			
FM (30°-60°)	9028.8	57.0			
FH (60°-80°)	987.3	6.2			G1/1800
FVH (80°-90°)	15.2	0.1			G1/100
BL (0°-30°)	925.8	5.8	B2/1000		
BM (30°-60°)	2045.8	12.9	B2/2500		
BH (60°-80°)	650.8	4.1	B2/1000		G2/1000
BVH (80°-90°)	23.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5
2.5°	3111.6	3134.9	3098.7	3101.3	3010.9	2969.6	2853.4	2785.0	2739.8	2613.3	2498.3
5°	3739.1	3712.0	3683.6	3666.8	3588.1	3477.0	3332.4	3217.5	3111.6	2863.7	2624.9
7.5°	4123.9	4109.7	4090.3	4080.0	4002.5	3886.3	3741.7	3643.6	3489.9	3154.2	2778.5
10°	4450.5	4433.8	4422.1	4429.9	4366.6	4291.7	4134.2	4021.9	3848.9	3461.5	2964.4
12.5°	4703.6	4712.6	4716.5	4757.8	4730.7	4685.5	4522.8	4404.1	4211.7	3785.6	3182.6
15°	4903.7	4901.1	4946.3	5025.1	5069.0	5040.6	4910.2	4810.8	4575.8	4104.5	3417.6
17.5°	4950.2	4952.8	5023.8	5162.0	5305.3	5375.0	5301.4	5182.6	4950.2	4419.5	3661.7
20°	4987.6	4992.8	5066.4	5223.9	5433.1	5628.1	5639.7	5554.5	5354.3	4760.4	3909.6
22.5°	5223.9	5235.5	5254.9	5354.3	5542.8	5789.4	5925.0	5906.9	5739.1	5118.1	4176.8
25°	5845.0	5810.1	5715.8	5687.4	5759.7	5959.9	6191.0	6225.8	6143.2	5511.8	4464.7
27.5°	6611.9	6574.5	6435.0	6287.8	6131.6	6201.3	6447.9	6552.5	6553.8	5945.7	4754.0
30°	7307.8	7278.1	7164.5	6954.0	6684.2	6583.5	6765.5	6906.3	6990.2	6446.6	5083.2
32.5°	7903.0	7875.9	7722.3	7550.5	7287.2	7084.4	7150.3	7285.9	7482.1	7094.8	5492.5
35°	8404.0	8376.9	8229.7	8056.7	7812.6	7691.3	7668.0	7761.0	8015.4	7771.3	5962.5
37.5°	8810.7	8783.6	8629.9	8467.3	8281.3	8289.1	8323.9	8369.1	8515.0	8495.7	6464.7
40°	9074.1	9045.7	8935.9	8819.7	8702.2	8795.2	8968.2	8914.0	8991.5	9080.5	6926.9
42.5°	9191.6	9155.4	9092.2	9066.3	9030.2	9174.8	9507.9	9453.7	9360.7	9470.5	7270.4
45°	9074.1	9043.1	9041.8	9120.6	9204.5	9390.4	9881.0	9837.1	9602.2	9659.0	7475.7
47.5°	8713.9	8686.7	8760.3	8966.9	9173.5	9444.6	10047.6	10055.3	9773.9	9737.7	7608.6
50°	7935.3	7917.2	8130.3	8521.5	8877.8	9275.5	9994.7	10083.8	9815.2	9713.2	7591.9
52.5°	6352.4	6436.3	6899.8	7553.1	8245.2	8978.5	9798.4	9914.6	9616.4	9551.8	7501.5
55°	4348.5	4387.3	4850.8	5804.9	6902.4	8335.6	9347.8	9527.3	9381.4	9524.7	7595.7
57.5°	2251.7	2282.7	2648.1	3495.1	4681.7	6587.4	8096.7	8685.5	8907.5	9661.6	7888.8
60°	924.5	950.3	1101.3	1510.6	2361.5	3836.0	5826.9	6699.7	7221.3	8823.6	7005.7
62.5°	671.4	684.3	756.6	901.2	1236.9	1879.9	3297.6	3619.0	3985.7	5529.9	4448.0
65°	565.5	579.7	637.8	725.6	902.5	1153.0	1408.6	1416.4	1561.0	2253.0	1648.8
67.5°	473.8	486.8	538.4	613.3	729.5	818.6	756.6	757.9	755.3	817.3	790.2
70°	369.3	379.6	431.2	511.3	572.0	525.5	591.3	654.6	627.5	652.0	689.5
72.5°	269.8	281.5	326.7	387.3	371.8	374.4	479.0	543.6	528.1	555.2	590.0
75°	195.0	202.7	225.9	193.7	204.0	246.6	337.0	371.8	387.3	410.6	441.6
77.5°	63.3	63.3	71.0	89.1	111.0	136.9	171.7	185.9	209.2	235.0	256.9
80°	32.3	33.6	40.0	49.1	62.0	78.8	100.7	107.2	118.8	133.0	142.0
82.5°	15.5	16.8	19.4	24.5	32.3	41.3	55.5	62.0	69.7	78.8	85.2
85°	3.9	3.9	5.2	7.7	10.3	15.5	20.7	24.5	31.0	37.4	41.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	3.9	5.2	6.5	7.7	10.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5	2401.5
2.5°	2446.7	2374.4	2281.4	2202.7	2130.4	2074.9	2027.1	2003.8	1981.9	1966.4	1971.6
5°	2513.8	2389.9	2216.9	2096.8	2023.2	1985.8	1959.9	1947.0	1944.4	1934.1	1930.2
7.5°	2612.0	2435.1	2204.0	2082.6	2033.5	2014.2	2000.0	1992.2	1996.1	1985.8	1981.9
10°	2733.3	2510.0	2236.2	2129.1	2086.5	2072.3	2056.8	2046.4	2041.3	2025.8	2023.2
12.5°	2884.4	2602.9	2294.3	2188.5	2145.9	2121.3	2100.7	2082.6	2071.0	2051.6	2046.4
15°	3047.1	2706.2	2362.8	2246.6	2196.2	2160.1	2126.5	2099.4	2078.7	2052.9	2049.0
17.5°	3224.0	2814.7	2419.6	2286.6	2222.0	2174.3	2125.2	2085.2	2056.8	2023.2	2019.3
20°	3408.6	2924.4	2462.2	2306.0	2223.3	2158.8	2092.9	2040.0	2003.8	1970.3	1967.7
22.5°	3599.7	3025.1	2488.0	2300.8	2202.7	2122.6	2043.9	1984.5	1941.9	1901.8	1899.3
25°	3792.1	3122.0	2494.5	2280.1	2161.4	2068.4	1989.6	1919.9	1872.1	1827.0	1821.8
27.5°	3987.0	3203.3	2479.0	2238.8	2105.8	2005.1	1926.4	1857.9	1808.9	1763.7	1755.9
30°	4194.9	3273.0	2445.4	2184.6	2041.3	1938.0	1860.5	1808.9	1762.4	1717.2	1709.5
32.5°	4417.0	3333.7	2397.6	2118.8	1966.4	1870.9	1814.0	1767.6	1721.1	1681.1	1673.3
35°	4681.7	3373.7	2326.6	2033.5	1896.7	1821.8	1783.1	1728.8	1672.0	1628.1	1624.2
37.5°	4955.4	3404.7	2241.4	1952.2	1836.0	1793.4	1761.1	1687.5	1616.5	1563.6	1557.1
40°	5220.1	3430.5	2135.5	1876.0	1780.5	1772.7	1728.8	1637.2	1514.5	1455.1	1449.9
42.5°	5466.7	3438.3	2024.5	1794.7	1730.1	1726.2	1677.2	1535.2	1440.9	1403.5	1398.3
45°	5635.8	3431.8	1909.6	1718.5	1679.8	1659.1	1607.5	1461.6	1403.5	1369.9	1363.4
47.5°	5761.0	3398.3	1780.5	1638.4	1623.0	1594.5	1483.5	1415.1	1360.9	1327.3	1320.8
50°	5739.1	3258.8	1650.1	1561.0	1554.5	1530.0	1393.1	1357.0	1309.2	1273.1	1267.9
52.5°	5625.5	2994.1	1517.1	1475.8	1488.7	1440.9	1328.6	1287.3	1245.9	1204.6	1195.6
55°	5653.9	2803.1	1416.4	1393.1	1416.4	1307.9	1256.3	1212.4	1173.6	1133.6	1125.9
57.5°	5777.8	2614.5	1309.2	1304.0	1328.6	1205.9	1163.3	1107.8	1052.3	1020.0	1020.0
60°	4852.1	1905.7	1120.7	1133.6	1189.1	1123.3	1085.8	1029.0	968.4	939.9	939.9
62.5°	2868.9	1195.6	929.6	915.4	950.3	991.6	1012.2	965.8	893.5	856.0	857.3
65°	1264.0	870.2	819.9	808.2	797.9	826.3	883.1	887.0	810.8	766.9	768.2
67.5°	778.6	787.6	766.9	757.9	748.9	743.7	738.5	741.1	720.5	680.4	679.1
70°	702.4	726.9	712.7	705.0	693.3	684.3	653.3	603.0	568.1	557.8	569.4
72.5°	604.3	637.8	630.1	626.2	612.0	590.0	548.7	499.7	458.4	432.5	437.7
75°	455.8	482.9	486.8	488.0	472.6	451.9	409.3	368.0	331.8	304.7	311.2
77.5°	262.1	277.6	281.5	285.3	273.7	266.0	237.6	207.9	188.5	160.1	167.8
80°	145.9	152.4	152.4	153.6	147.2	138.2	118.8	102.0	93.0	80.1	81.3
82.5°	87.8	90.4	91.7	93.0	89.1	80.1	65.8	54.2	49.1	42.6	41.3
85°	42.6	45.2	45.2	46.5	40.0	34.9	27.1	20.7	18.1	12.9	14.2
87.5°	10.3	11.6	11.6	10.3	9.0	6.5	3.9	1.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)