

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: P633109

Luminaire Tested: GWS-SA2E-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10755 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

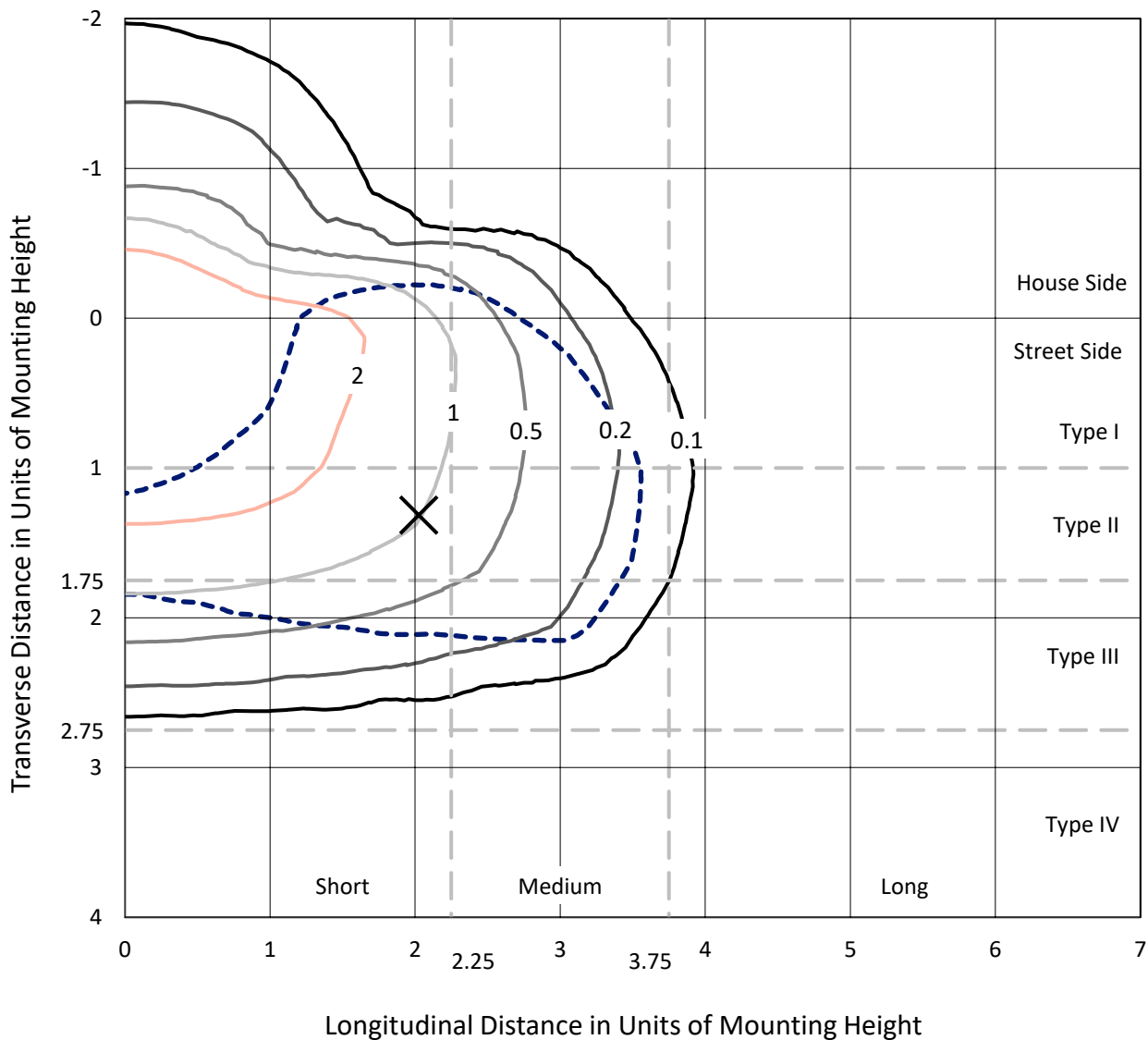
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

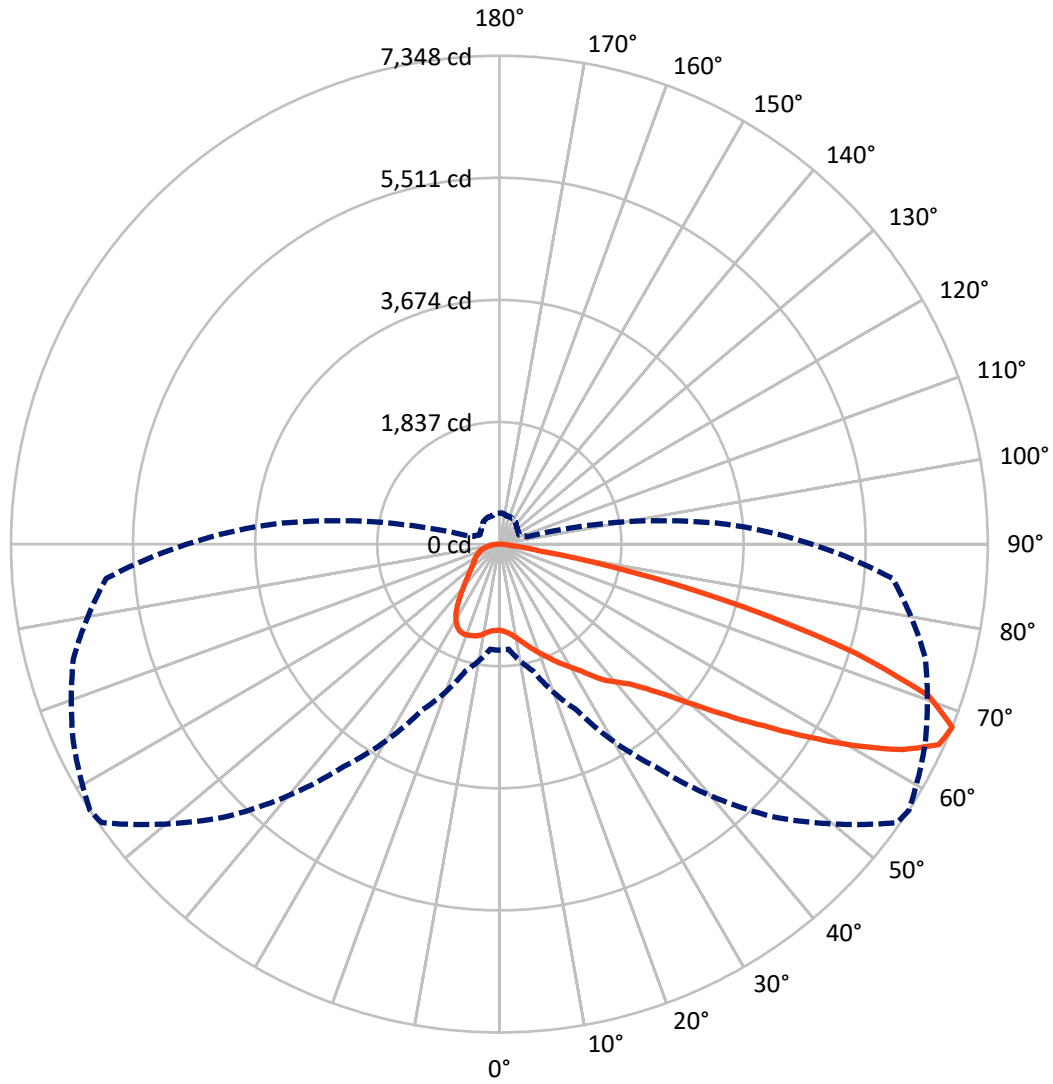
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2364.6	0.0	2364.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	8390.4	0.0	8390.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	10755.0	0.0	10755.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	1.2
10°-20°	425.5	4.0
20°-30°	758.6	7.1
30°-40°	1102.9	10.3
40°-50°	1596.2	14.8
50°-60°	2498.0	23.2
60°-70°	2914.1	27.1
70°-80°	1216.5	11.3
80°-90°	114.8	1.1
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°	10755.0	100.0
0°-180°	10755.0	100.0

Coefficient of Utilization



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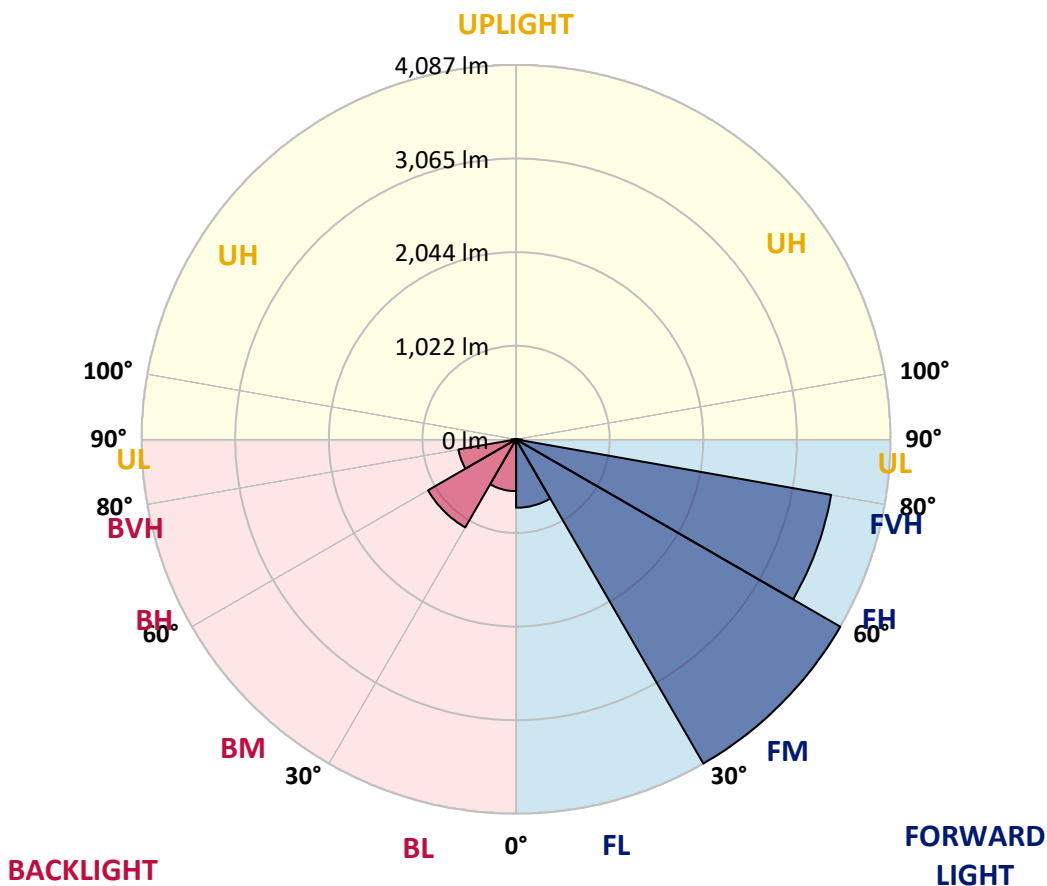
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	747.0	6.9			
FM (30°-60°)	4087.1	38.0			
FH (60°-80°)	3492.3	32.5			G2/5000
FVH (80°-90°)	64.0	0.6			G1/100
BL (0°-30°)	565.5	5.3	B2/1000		
BM (30°-60°)	1110.0	10.3	B2/2500		
BH (60°-80°)	638.2	5.9	B2/1000		G2/1000
BVH (80°-90°)	50.8	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9
2.5°	1314.4	1312.9	1312.1	1316.7	1315.2	1314.4	1314.4	1313.6	1312.1	1305.9	1297.4
5°	1350.6	1347.5	1344.4	1348.3	1345.2	1342.1	1341.4	1339.8	1334.4	1325.2	1312.1
7.5°	1388.4	1385.3	1386.0	1388.4	1386.0	1384.5	1382.2	1380.7	1372.2	1357.5	1339.8
10°	1441.5	1441.5	1443.1	1445.4	1446.1	1443.8	1439.2	1436.9	1426.9	1408.4	1383.7
12.5°	1518.6	1517.0	1517.0	1515.5	1517.8	1515.5	1510.9	1507.0	1494.7	1470.8	1435.4
15°	1620.3	1614.1	1608.7	1598.7	1595.6	1587.1	1588.7	1586.4	1574.8	1542.4	1497.8
17.5°	1728.9	1728.1	1719.7	1699.6	1679.6	1665.7	1668.8	1668.0	1661.9	1618.0	1560.9
20°	1824.4	1828.3	1820.6	1805.2	1778.2	1752.0	1750.5	1754.3	1746.6	1702.7	1623.3
22.5°	1931.5	1928.4	1920.7	1900.7	1880.7	1852.9	1843.7	1840.6	1837.5	1787.5	1687.3
25°	2033.2	2042.5	2032.5	2014.0	1983.1	1953.1	1945.4	1948.5	1940.0	1873.7	1755.9
27.5°	2161.9	2165.7	2159.6	2134.2	2108.0	2065.6	2050.9	2050.9	2047.9	1954.6	1809.8
30°	2299.0	2309.8	2299.0	2278.2	2251.3	2190.4	2158.8	2155.7	2146.5	2037.9	1873.0
32.5°	2436.9	2444.7	2436.9	2416.9	2386.1	2332.9	2287.5	2280.5	2268.2	2128.8	1937.7
35°	2559.4	2566.4	2564.8	2569.5	2544.0	2477.0	2449.3	2446.2	2413.8	2247.4	2025.5
37.5°	2693.5	2702.0	2690.4	2699.7	2689.7	2626.5	2618.0	2602.6	2556.4	2359.1	2118.0
40°	2846.1	2853.8	2835.3	2839.1	2827.6	2792.1	2749.0	2728.2	2659.6	2480.1	2263.6
42.5°	3009.4	3027.1	3035.6	3028.7	3001.7	2981.7	2906.2	2880.0	2822.9	2698.1	2503.2
45°	3245.9	3272.1	3284.4	3266.7	3255.2	3226.7	3134.2	3102.6	3072.6	3005.5	2837.6
47.5°	3500.9	3524.8	3564.1	3571.8	3581.1	3559.5	3429.3	3398.5	3403.9	3396.2	3249.0
50°	3704.3	3724.4	3813.0	3907.7	3986.3	3992.5	3826.1	3792.9	3822.2	3846.9	3744.4
52.5°	3852.3	3870.0	3987.1	4182.8	4360.8	4492.5	4313.0	4275.3	4299.1	4354.6	4307.6
55°	3972.5	3997.1	4119.6	4420.1	4779.9	4987.9	4873.1	4825.4	4815.3	4883.9	4910.9
57.5°	4035.6	4043.3	4215.2	4605.8	5087.3	5474.1	5524.2	5470.2	5374.7	5412.4	5552.7
60°	3891.6	3904.7	4139.7	4653.5	5330.0	5956.4	6207.6	6162.9	5959.5	5980.3	6135.1
62.5°	3493.2	3511.7	3794.5	4426.3	5350.0	6278.4	6838.6	6810.0	6537.3	6424.8	6471.0
65°	2802.1	2808.3	3101.1	3863.8	4951.7	6318.5	7278.5	7271.5	6941.0	6677.5	6479.5
67.5°	1597.9	1587.1	1978.5	2755.9	4086.5	5797.7	7307.0	7347.8	7072.0	6635.9	5940.2
70°	692.6	694.2	874.5	1359.9	2645.0	4685.9	6786.9	6857.0	6692.9	5943.3	4726.0
72.5°	320.5	325.1	402.9	588.6	1129.5	2906.9	5534.2	5597.4	5456.4	4756.8	3438.5
75°	226.5	230.4	268.9	337.5	519.3	1132.6	3702.0	3834.6	3903.1	3558.0	2265.9
77.5°	171.8	177.2	196.5	234.2	320.5	401.4	1771.3	2087.2	2486.3	2213.5	1167.2
80°	109.4	109.4	130.2	156.4	195.7	208.8	511.6	606.3	1216.5	912.2	458.4
82.5°	74.0	76.3	88.6	99.4	112.5	118.6	219.6	234.2	351.3	310.5	188.8
85°	39.3	40.8	46.2	45.5	53.9	47.0	92.5	91.7	128.7	141.0	71.7
87.5°	0.0	0.0	0.8	0.8	1.5	2.3	10.0	10.8	27.0	43.1	23.9
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°	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9
2.5°	1302.1	1292.8	1297.4	1295.9	1300.5	1300.5	1292.1	1289.7	1290.5	1281.3	1278.2
5°	1313.6	1302.8	1305.1	1302.1	1306.7	1310.5	1306.7	1306.7	1311.3	1304.4	1300.5
7.5°	1339.8	1327.5	1327.5	1323.6	1329.0	1332.1	1329.0	1333.7	1342.1	1335.2	1331.3
10°	1381.4	1366.8	1367.6	1362.9	1365.2	1363.7	1351.4	1347.5	1349.8	1343.7	1340.6
12.5°	1435.4	1415.3	1415.3	1406.1	1400.7	1384.5	1359.1	1349.8	1351.4	1346.0	1343.7
15°	1487.0	1468.5	1464.6	1446.1	1421.5	1391.4	1368.3	1362.2	1363.7	1358.3	1354.5
17.5°	1547.8	1524.0	1510.1	1476.2	1430.7	1399.9	1376.8	1362.2	1349.8	1337.5	1334.4
20°	1604.1	1574.0	1548.6	1496.2	1440.7	1398.4	1355.2	1319.0	1289.0	1272.8	1268.9
22.5°	1661.9	1623.3	1578.7	1510.1	1440.0	1370.6	1291.3	1236.6	1191.9	1168.0	1172.6
25°	1716.6	1668.0	1607.2	1523.2	1415.3	1309.0	1201.1	1119.5	1068.6	1050.1	1044.7
27.5°	1762.0	1701.9	1633.4	1517.0	1364.5	1220.4	1077.9	987.0	937.6	916.8	911.4
30°	1812.9	1745.1	1671.1	1488.5	1284.3	1096.4	938.4	864.4	829.0	809.0	809.7
32.5°	1871.4	1800.6	1724.3	1433.8	1181.9	962.3	823.6	772.8	744.3	724.2	721.1
35°	1950.0	1879.9	1759.7	1351.4	1051.7	839.0	745.0	703.4	668.0	641.8	636.4
37.5°	2047.1	1999.3	1763.6	1241.2	912.2	754.3	688.8	644.1	601.0	566.3	562.4
40°	2213.5	2158.8	1732.0	1103.3	793.6	699.6	641.8	590.2	540.1	501.6	496.2
42.5°	2450.8	2338.3	1664.2	947.7	704.2	656.4	597.1	531.6	480.8	453.8	449.9
45°	2752.8	2538.6	1562.5	801.3	637.9	614.1	550.1	481.5	454.6	435.3	431.5
47.5°	3122.7	2772.1	1445.4	687.2	586.3	575.5	502.3	464.6	440.7	424.5	420.7
50°	3564.9	3069.5	1349.1	597.9	540.1	530.8	486.9	454.6	435.3	422.2	419.1
52.5°	4069.5	3400.0	1302.1	533.9	500.0	490.8	481.5	452.3	436.1	426.1	422.2
55°	4593.4	3748.3	1258.2	484.6	466.1	471.5	482.3	460.0	447.6	434.5	430.7
57.5°	5099.6	4074.9	1150.3	446.1	441.5	462.3	486.2	467.7	453.0	439.9	435.3
60°	5448.7	4253.7	967.7	415.3	423.0	450.7	476.1	456.1	437.6	432.2	429.9
62.5°	5542.6	4232.1	751.2	383.7	400.6	425.3	449.9	436.8	417.6	426.1	426.8
65°	5323.1	4001.0	564.0	352.9	371.4	392.2	423.0	417.6	410.7	433.8	434.5
67.5°	4701.3	3433.1	429.9	325.9	341.3	366.7	414.5	436.8	438.4	467.7	464.6
70°	3557.2	2564.8	336.7	300.5	318.2	366.7	441.5	451.5	433.0	460.0	453.8
72.5°	2459.3	1692.7	286.6	278.1	289.7	349.8	440.7	440.7	420.7	420.7	409.1
75°	1527.8	995.4	249.6	249.6	249.6	305.9	428.4	406.0	370.6	354.4	345.2
77.5°	754.3	483.8	209.6	217.3	208.8	255.8	349.8	332.1	310.5	293.5	287.4
80°	322.0	241.9	169.5	178.0	168.0	192.6	277.4	273.5	252.7	230.4	223.4
82.5°	147.9	124.8	135.6	139.5	122.5	144.8	202.6	202.6	191.1	160.3	148.7
85°	63.2	66.3	94.0	94.0	77.0	81.7	108.6	103.2	92.5	75.5	69.3
87.5°	21.6	32.4	47.8	41.6	16.2	6.9	3.9	1.5	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)