

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: P634374

Luminaire Tested: GWS-SA3B-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634374
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-SA3B-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10647.1 lumens
Efficiency: N/A
Efficacy: 155.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 68.3
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

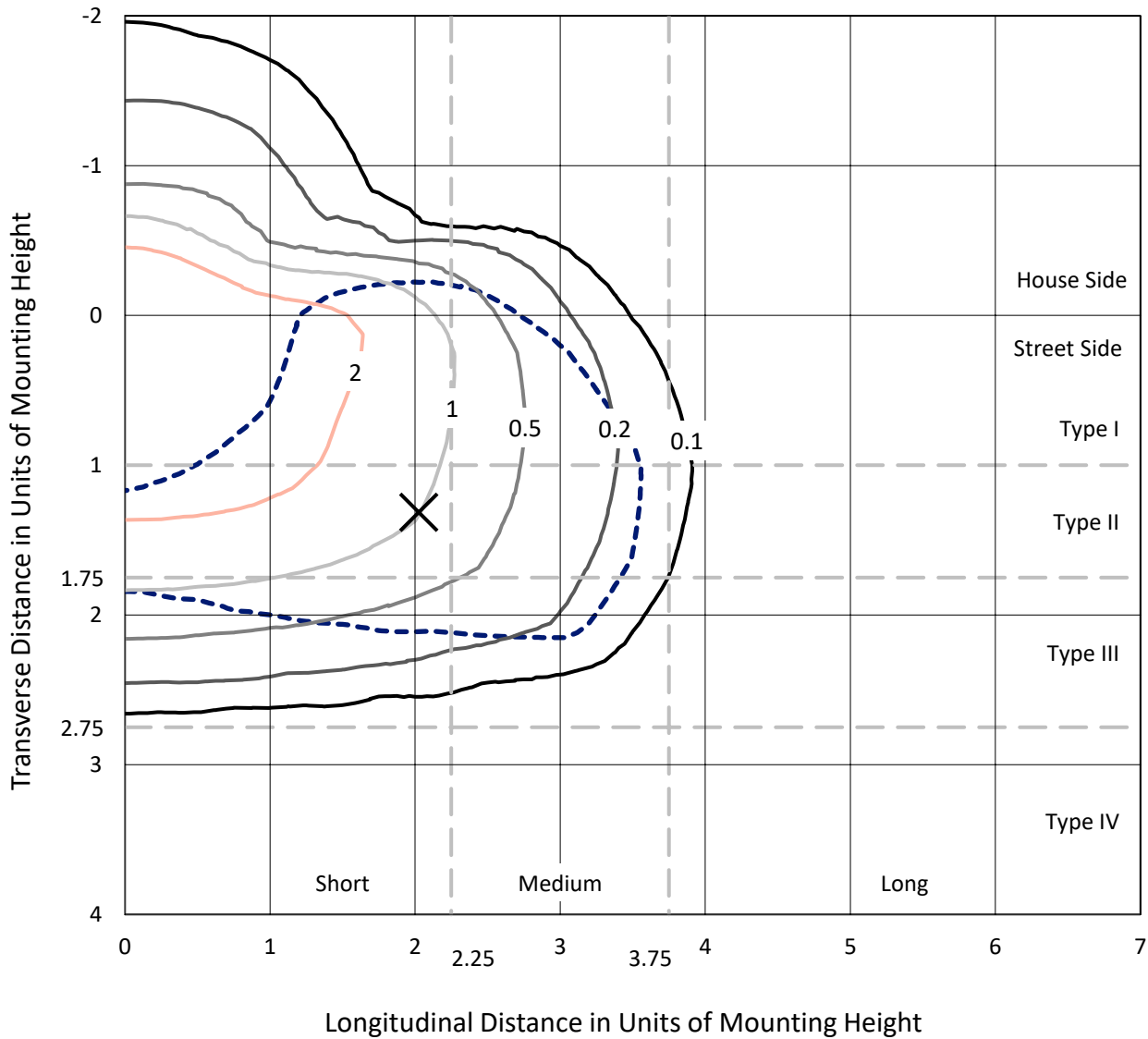


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Iso-Footcandle Lines of Horizontal Illumination

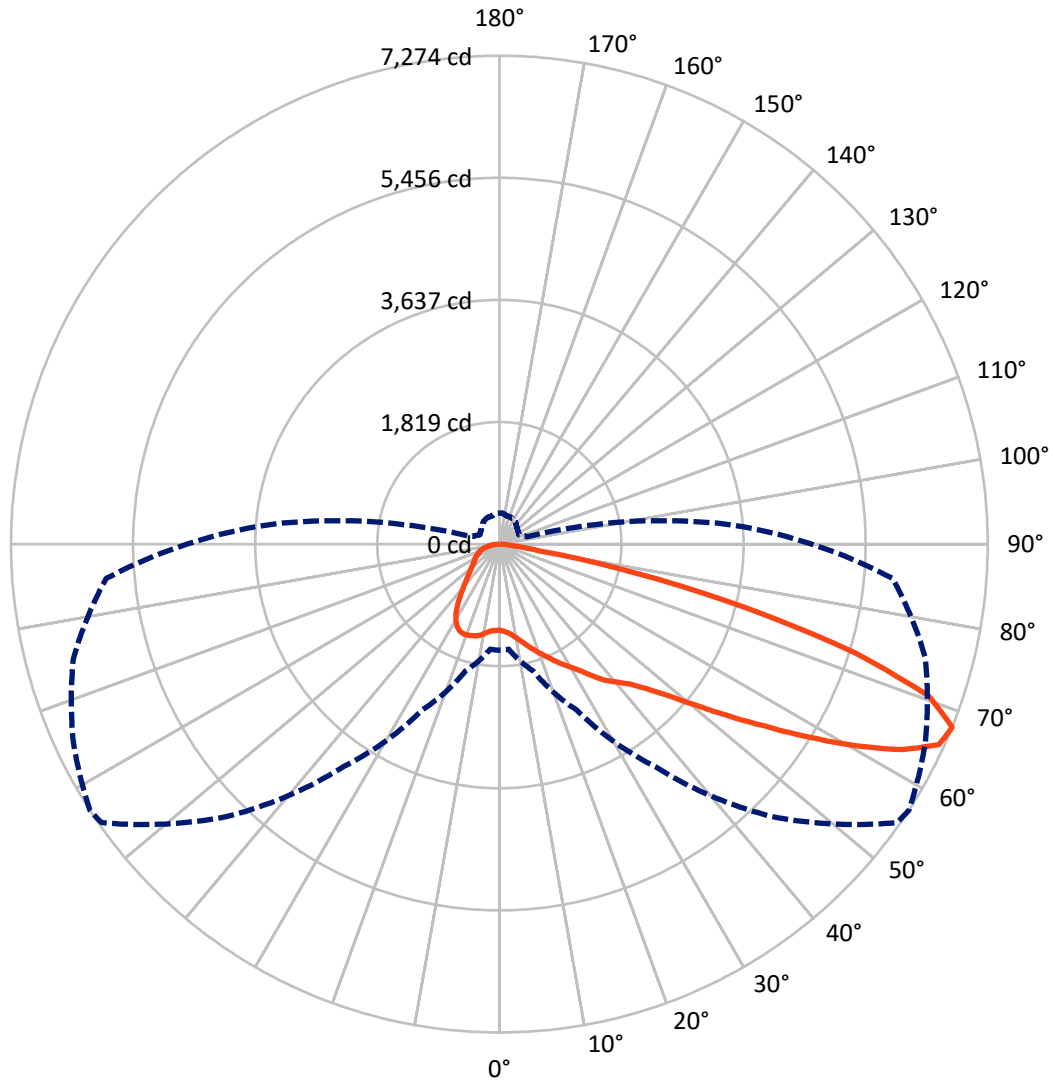
✕ Max cd
 - - - 1/2 Max cd



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	2340.9	0.0	2340.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	8306.2	0.0	8306.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	10647.1	0.0	10647.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	1.2
10°-20°	421.2	4.0
20°-30°	751.0	7.1
30°-40°	1091.8	10.3
40°-50°	1580.2	14.8
50°-60°	2472.9	23.2
60°-70°	2884.8	27.1
70°-80°	1204.3	11.3
80°-90°	113.6	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°	10647.1	100.0
0°-180°	10647.1	100.0

Coefficient of Utilization



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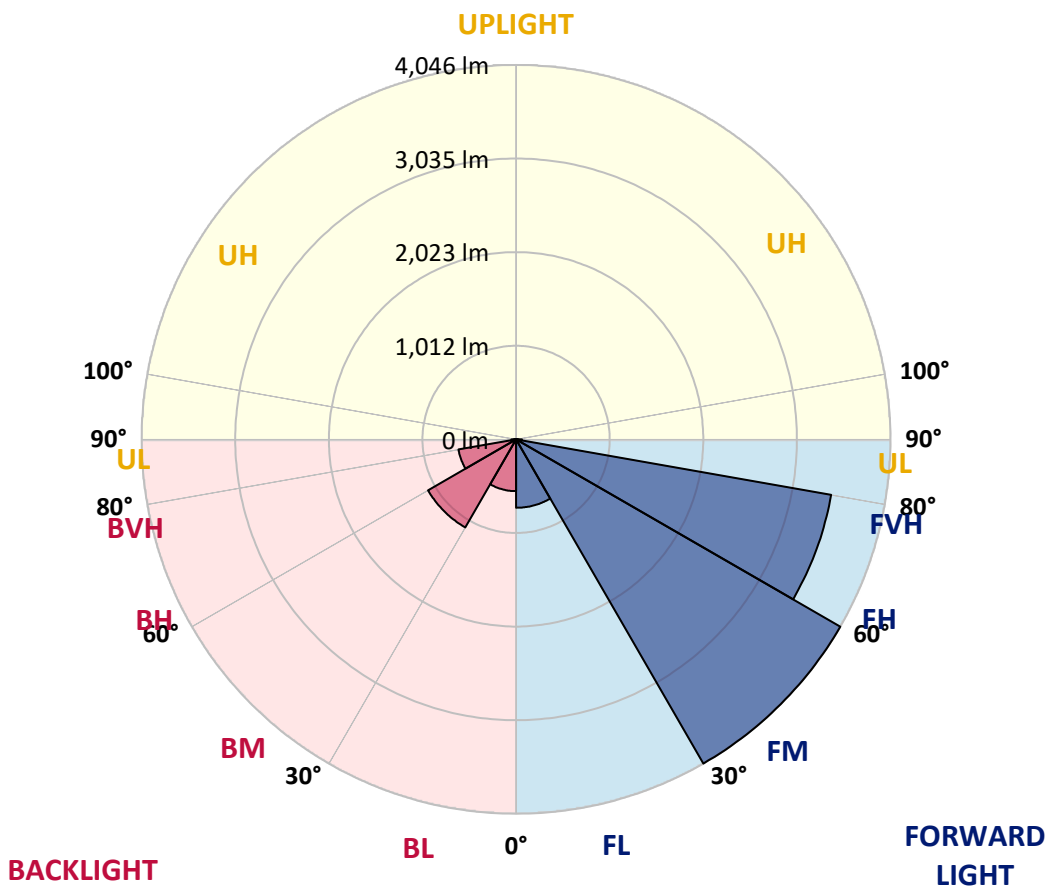
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	739.5	6.9			
FM (30°-60°)	4046.1	38.0			
FH (60°-80°)	3457.3	32.5			G2/5000
FVH (80°-90°)	63.3	0.6			G1/100
BL (0°-30°)	559.9	5.3	B2/1000		
BM (30°-60°)	1098.9	10.3	B2/2500		
BH (60°-80°)	631.8	5.9	B2/1000		G2/1000
BVH (80°-90°)	50.3	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°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9
2.5°	1301.2	1299.7	1298.9	1303.5	1302.0	1301.2	1301.2	1300.4	1298.9	1292.8	1284.4
5°	1337.1	1334.0	1331.0	1334.8	1331.7	1328.7	1327.9	1326.4	1321.0	1311.9	1298.9
7.5°	1374.4	1371.4	1372.1	1374.4	1372.1	1370.6	1368.3	1366.8	1358.4	1343.9	1326.4
10°	1427.1	1427.1	1428.6	1430.9	1431.6	1429.3	1424.8	1422.5	1412.6	1394.3	1369.9
12.5°	1503.3	1501.8	1501.8	1500.3	1502.6	1500.3	1495.7	1491.9	1479.7	1456.0	1421.0
15°	1604.0	1597.9	1592.6	1582.7	1579.6	1571.2	1572.7	1570.5	1559.0	1527.0	1482.7
17.5°	1711.6	1710.8	1702.4	1682.6	1662.7	1649.0	1652.1	1651.3	1645.2	1601.7	1545.3
20°	1806.1	1809.9	1802.3	1787.1	1760.4	1734.4	1732.9	1736.7	1729.1	1685.6	1607.1
22.5°	1912.2	1909.1	1901.5	1881.6	1861.8	1834.4	1825.2	1822.1	1819.1	1769.5	1670.4
25°	2012.8	2022.0	2012.1	1993.8	1963.3	1933.5	1925.9	1928.9	1920.5	1854.9	1738.2
27.5°	2140.2	2144.0	2137.9	2112.7	2086.8	2044.9	2030.4	2030.4	2027.3	1935.0	1791.6
30°	2276.0	2286.6	2276.0	2255.4	2228.7	2168.4	2137.2	2134.1	2125.0	2017.4	1854.2
32.5°	2412.5	2420.1	2412.5	2392.7	2362.2	2309.5	2264.5	2257.7	2245.5	2107.4	1918.3
35°	2533.8	2540.6	2539.1	2543.7	2518.5	2452.2	2424.7	2421.7	2389.6	2224.9	2005.2
37.5°	2666.5	2674.9	2663.4	2672.6	2662.7	2600.1	2591.7	2576.5	2530.7	2335.5	2096.7
40°	2817.5	2825.1	2806.8	2810.6	2799.2	2764.1	2721.4	2700.8	2632.9	2455.2	2240.9
42.5°	2979.2	2996.7	3005.1	2998.3	2971.6	2951.7	2877.0	2851.1	2794.6	2671.1	2478.1
45°	3213.4	3239.3	3251.5	3234.0	3222.5	3194.3	3102.8	3071.5	3041.7	2975.4	2809.1
47.5°	3465.8	3489.5	3528.4	3536.0	3545.1	3523.8	3394.9	3364.4	3369.7	3362.1	3216.4
50°	3667.2	3687.0	3774.7	3868.5	3946.3	3952.4	3787.7	3754.9	3783.9	3808.3	3706.8
52.5°	3813.6	3831.2	3947.1	4140.8	4317.0	4447.4	4269.7	4232.4	4256.0	4310.9	4264.4
55°	3932.6	3957.0	4078.3	4375.8	4731.9	4937.9	4824.2	4776.9	4767.0	4834.9	4861.6
57.5°	3995.2	4002.8	4172.9	4559.6	5036.3	5419.2	5468.7	5415.3	5320.8	5358.1	5497.0
60°	3852.5	3865.5	4098.1	4606.9	5276.5	5896.6	6145.3	6101.0	5899.7	5920.3	6073.6
62.5°	3458.2	3476.5	3756.4	4381.9	5296.4	6215.4	6769.9	6741.7	6471.7	6360.4	6406.1
65°	2774.0	2780.1	3070.0	3825.1	4902.0	6255.1	7205.5	7198.6	6871.4	6610.5	6414.5
67.5°	1581.9	1571.2	1958.7	2728.3	4045.5	5739.5	7233.7	7274.1	7001.1	6569.3	5880.6
70°	685.7	687.2	865.7	1346.2	2618.4	4638.9	6718.8	6788.3	6625.8	5883.7	4678.6
72.5°	317.3	321.9	398.9	582.7	1118.2	2877.8	5478.7	5541.2	5401.6	4709.1	3404.0
75°	224.2	228.1	266.2	334.1	514.1	1121.2	3664.9	3796.1	3864.0	3522.3	2243.2
77.5°	170.1	175.4	194.5	231.9	317.3	397.4	1753.5	2066.2	2461.3	2191.3	1155.5
80°	108.3	108.3	128.9	154.8	193.7	206.7	506.4	600.3	1204.3	903.1	453.8
82.5°	73.2	75.5	87.7	98.4	111.4	117.5	217.4	231.9	347.8	307.4	186.9
85°	38.9	40.4	45.8	45.0	53.4	46.5	91.5	90.8	127.4	139.6	70.9
87.5°	0.0	0.0	0.8	0.8	1.5	2.3	9.9	10.7	26.7	42.7	23.6
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°	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9	1282.9
2.5°	1289.0	1279.9	1284.4	1282.9	1287.5	1287.5	1279.1	1276.8	1277.6	1268.4	1265.4
5°	1300.4	1289.8	1292.1	1289.0	1293.6	1297.4	1293.6	1293.6	1298.2	1291.3	1287.5
7.5°	1326.4	1314.2	1314.2	1310.4	1315.7	1318.8	1315.7	1320.3	1328.7	1321.8	1318.0
10°	1367.6	1353.1	1353.8	1349.3	1351.5	1350.0	1337.8	1334.0	1336.3	1330.2	1327.1
12.5°	1421.0	1401.1	1401.1	1392.0	1386.6	1370.6	1345.4	1336.3	1337.8	1332.5	1330.2
15°	1472.1	1453.8	1449.9	1431.6	1407.2	1377.5	1354.6	1348.5	1350.0	1344.7	1340.9
17.5°	1532.3	1508.7	1494.9	1461.4	1416.4	1385.9	1363.0	1348.5	1336.3	1324.1	1321.0
20°	1588.0	1558.2	1533.1	1481.2	1426.3	1384.3	1341.6	1305.8	1276.0	1260.0	1256.2
22.5°	1645.2	1607.1	1562.8	1494.9	1425.5	1356.9	1278.3	1224.2	1179.9	1156.3	1160.9
25°	1699.4	1651.3	1591.0	1507.9	1401.1	1295.9	1189.1	1108.2	1057.9	1039.6	1034.3
27.5°	1744.4	1684.9	1617.0	1501.8	1350.8	1208.2	1067.1	977.1	928.2	907.6	902.3
30°	1794.7	1727.6	1654.4	1473.6	1271.5	1085.4	929.0	855.8	820.7	800.9	801.6
32.5°	1852.7	1782.5	1707.0	1419.4	1170.0	952.6	815.4	765.0	736.8	717.0	713.9
35°	1930.5	1861.0	1742.1	1337.8	1041.1	830.6	737.6	696.4	661.3	635.3	630.0
37.5°	2026.6	1979.3	1745.9	1228.7	903.1	746.7	681.9	637.6	594.9	560.6	556.8
40°	2191.3	2137.2	1714.6	1092.2	785.6	692.6	635.3	584.2	534.7	496.5	491.2
42.5°	2426.2	2314.9	1647.5	938.2	697.1	649.8	591.1	526.3	475.9	449.2	445.4
45°	2725.2	2513.2	1546.8	793.2	631.5	607.9	544.6	476.7	450.0	430.9	427.1
47.5°	3091.3	2744.3	1430.9	680.4	580.4	569.8	497.3	459.9	436.3	420.3	416.4
50°	3529.1	3038.7	1335.5	591.9	534.7	525.5	482.0	450.0	430.9	418.0	414.9
52.5°	4028.7	3365.9	1289.0	528.6	495.0	485.9	476.7	447.7	431.7	421.8	418.0
55°	4547.4	3710.7	1245.5	479.8	461.4	466.8	477.5	455.3	443.1	430.2	426.4
57.5°	5048.5	4034.1	1138.7	441.6	437.0	457.6	481.3	463.0	448.5	435.5	430.9
60°	5394.0	4211.0	958.0	411.1	418.7	446.2	471.4	451.5	433.2	427.9	425.6
62.5°	5487.0	4189.6	743.7	379.8	396.6	421.0	445.4	432.5	413.4	421.8	422.5
65°	5269.7	3960.8	558.3	349.3	367.6	388.2	418.7	413.4	406.5	429.4	430.2
67.5°	4654.1	3398.7	425.6	322.6	337.9	363.1	410.3	432.5	434.0	463.0	459.9
70°	3521.5	2539.1	333.3	297.5	315.0	363.1	437.0	447.0	428.7	455.3	449.2
72.5°	2434.6	1675.7	283.7	275.3	286.8	346.3	436.3	436.3	416.4	416.4	405.0
75°	1512.5	985.4	247.1	247.1	247.1	302.8	424.1	402.0	366.9	350.9	341.7
77.5°	746.7	479.0	207.5	215.1	206.7	253.2	346.3	328.7	307.4	290.6	284.5
80°	318.8	239.5	167.8	176.2	166.3	190.7	274.6	270.8	250.2	228.1	221.2
82.5°	146.4	123.6	134.2	138.1	121.3	143.4	200.6	200.6	189.2	158.6	147.2
85°	62.5	65.6	93.1	93.1	76.3	80.8	107.5	102.2	91.5	74.7	68.6
87.5°	21.4	32.0	47.3	41.2	16.0	6.9	3.8	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)