

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: P635415

Luminaire Tested: GWS-SA3D-760-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18104.1 lumens
Efficiency: N/A
Efficacy: 149.9 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

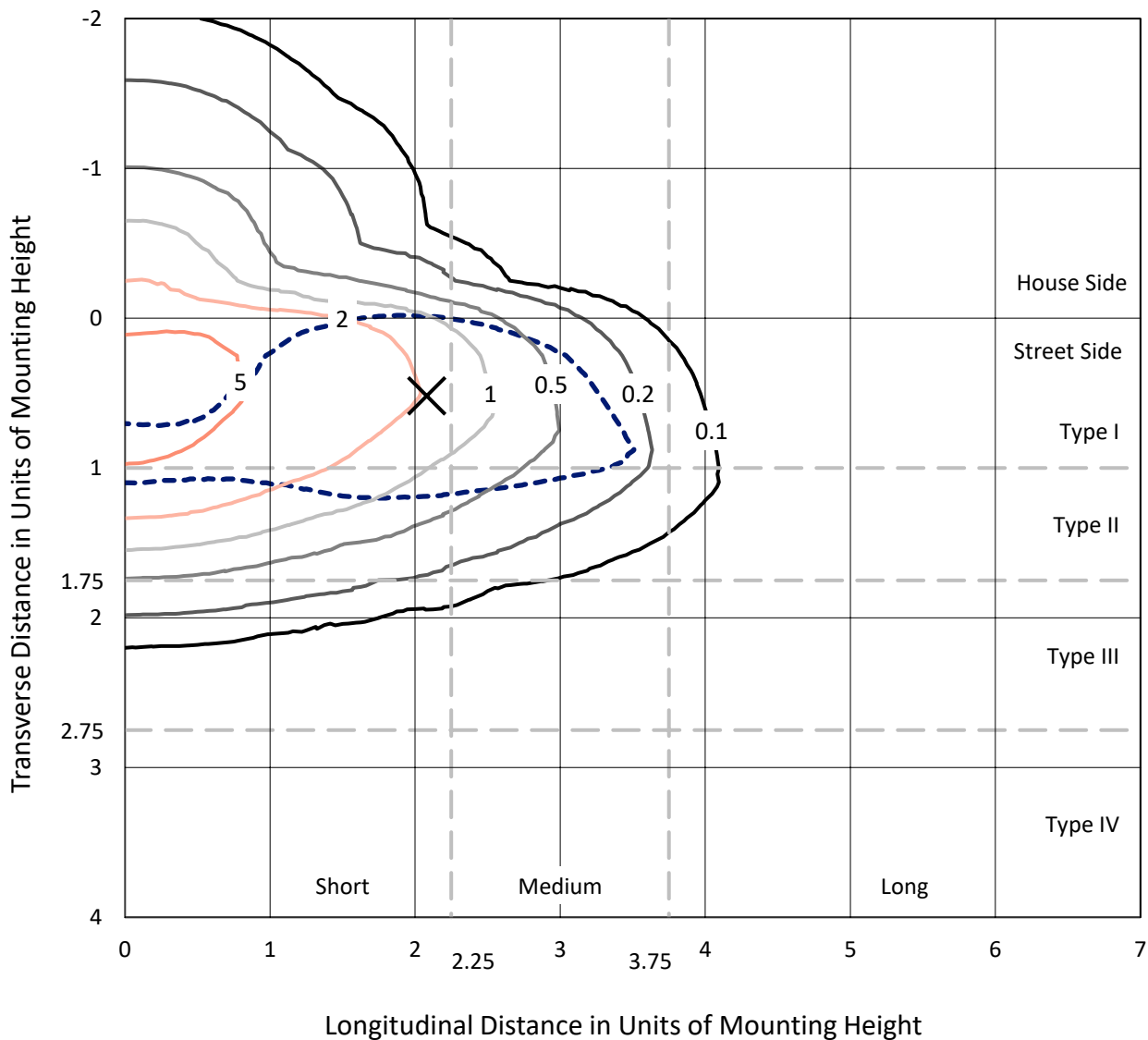
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

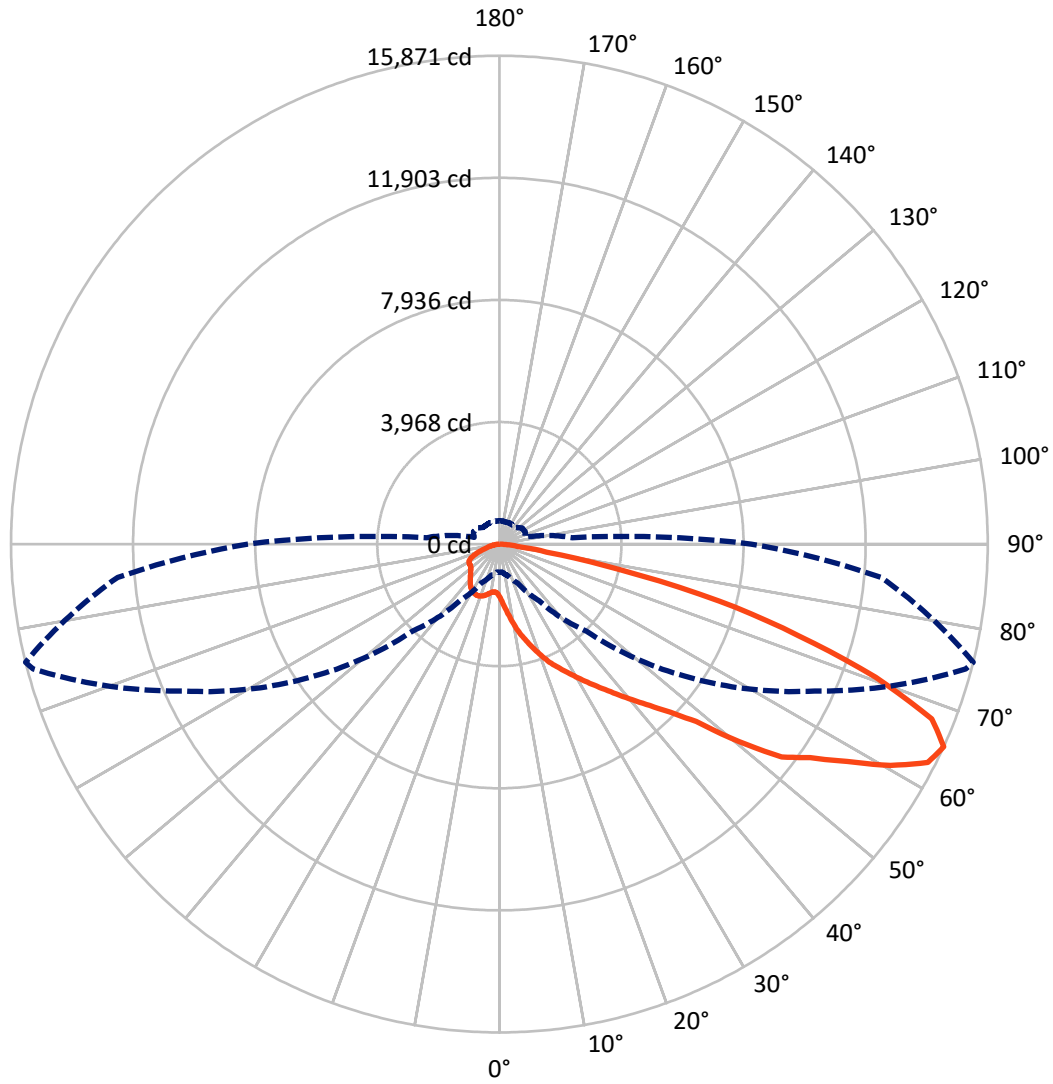
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3026.1	0.0	3026.1
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	15078.0	0.0	15078.0
	% Fixture	83.3	0.0	83.3
Total	Lumens	18104.1	0.0	18104.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.7	1.1
10°-20°	775.8	4.3
20°-30°	1511.9	8.4
30°-40°	2528.6	14.0
40°-50°	3620.4	20.0
50°-60°	4286.1	23.7
60°-70°	3563.9	19.7
70°-80°	1458.4	8.1
80°-90°	155.3	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°-90°	18104.1	100.0
0°-180°	18104.1	100.0

Coefficient of Utilization



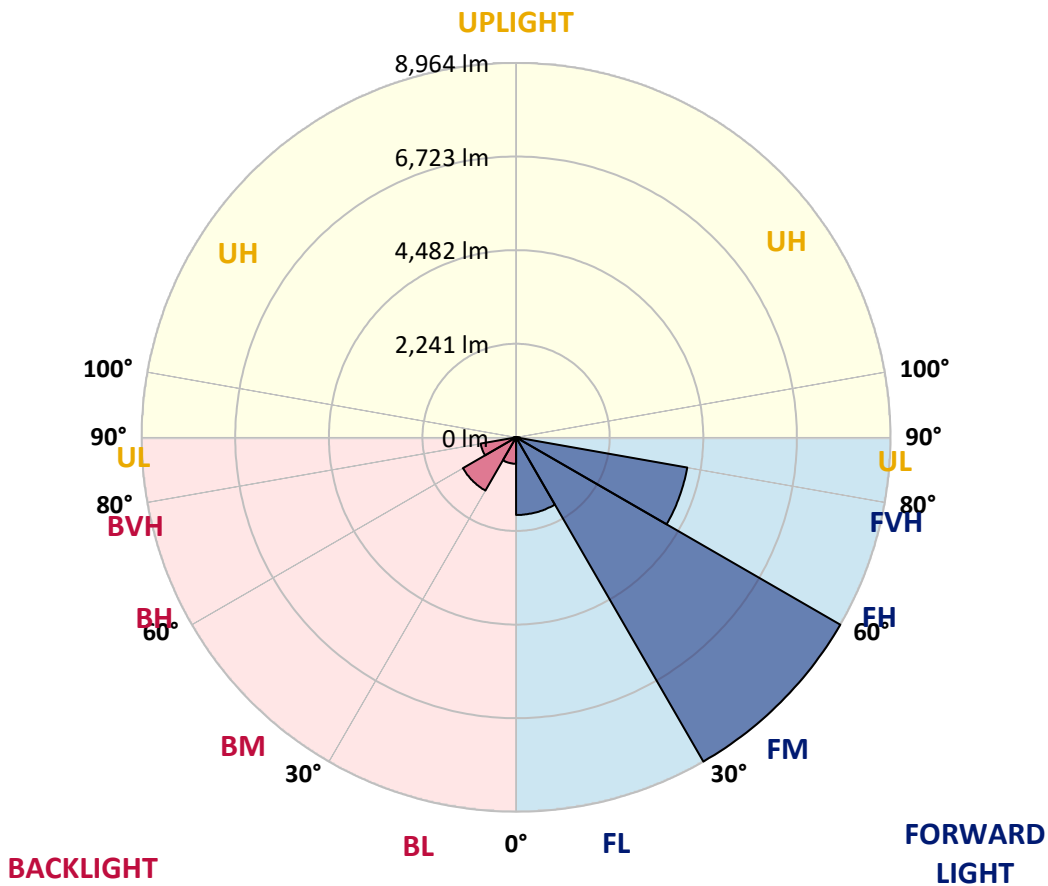
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1858.3	10.3			
FM (30°-60°)	8964.5	49.5			
FH (60°-80°)	4162.6	23.0			G2/5000
FVH (80°-90°)	92.6	0.5			G1/100
BL (0°-30°)	633.1	3.5	B2/1000		
BM (30°-60°)	1470.6	8.1	B2/2500		
BH (60°-80°)	859.8	4.7	B2/1000		G2/1000
BVH (80°-90°)	62.7	0.3			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°	65°	75°	76°	85°
0°	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4
2.5°	2402.9	2411.9	2382.6	2372.4	2303.7	2210.8	2133.1	2016.0	1907.8	1891.3	1794.6
5°	3052.0	3013.9	2980.8	2959.1	2863.7	2758.0	2593.9	2373.7	2143.3	2115.3	1906.6
7.5°	3437.7	3431.3	3390.6	3377.9	3304.1	3198.4	3029.1	2755.5	2420.8	2374.9	2058.0
10°	3747.0	3743.2	3722.8	3734.2	3666.8	3563.7	3399.5	3117.0	2725.0	2679.1	2227.3
12.5°	4016.8	4023.2	4019.3	4061.3	4027.0	3946.8	3776.2	3465.7	3029.1	2979.5	2433.5
15°	4214.1	4219.2	4238.3	4329.9	4349.0	4332.4	4159.3	3808.1	3329.5	3258.2	2646.0
17.5°	4270.1	4280.3	4326.1	4473.7	4576.8	4645.5	4517.0	4156.8	3624.8	3547.1	2862.4
20°	4345.2	4356.6	4402.4	4556.4	4707.9	4864.4	4841.5	4510.6	3922.6	3859.0	3081.3
22.5°	4692.6	4683.7	4663.3	4737.2	4845.4	5040.1	5097.4	4850.4	4230.6	4169.5	3323.1
25°	5362.1	5345.5	5215.7	5148.3	5112.6	5231.0	5332.8	5159.7	4531.0	4439.3	3548.4
27.5°	6100.3	6091.4	5925.9	5765.5	5546.6	5495.7	5555.5	5429.5	4822.4	4729.5	3744.4
30°	6799.0	6772.3	6599.2	6398.1	6105.4	5886.5	5798.6	5694.3	5141.9	5045.2	3973.5
32.5°	7423.9	7389.6	7185.9	6963.2	6656.5	6398.1	6135.9	5975.6	5503.4	5391.4	4207.7
35°	7936.9	7902.5	7693.8	7457.0	7119.8	6928.8	6569.9	6281.0	5871.2	5757.9	4483.9
37.5°	8334.0	8302.1	8084.5	7851.6	7557.6	7406.1	7094.3	6624.7	6295.0	6176.6	4776.6
40°	8556.7	8533.8	8359.4	8174.9	7927.9	7796.9	7656.9	7058.7	6769.7	6651.4	5121.5
42.5°	8624.1	8608.9	8486.7	8391.2	8224.5	8125.2	8205.4	7569.0	7276.3	7173.2	5509.7
45°	8454.9	8454.9	8419.2	8467.6	8475.2	8474.0	8755.2	8145.6	7898.7	7785.4	6057.0
47.5°	8022.1	8050.1	8102.3	8340.3	8591.0	8801.1	9398.0	8914.3	8699.2	8606.3	6832.1
50°	7230.5	7306.8	7485.0	7949.6	8482.9	9017.4	10006.3	10050.9	10255.8	10091.6	7972.5
52.5°	6071.0	6059.6	6513.9	7175.8	7989.0	9026.3	10341.1	11053.8	11604.9	11491.6	8820.1
55°	4825.0	4805.9	5229.7	6142.3	7231.8	8685.2	10542.2	11513.3	12353.3	12251.5	9582.5
57.5°	3694.8	3670.6	4047.3	4870.8	6162.6	7961.0	10504.0	12060.6	13382.9	13330.8	10618.5
60°	2543.0	2513.7	2866.2	3586.6	4897.5	6853.7	10081.4	12341.8	14588.2	14606.1	11727.1
62.5°	1527.3	1510.8	1766.6	2325.3	3523.0	5481.7	9092.5	12171.3	15547.9	15628.1	12439.8
65°	921.5	910.0	1060.2	1387.3	2234.9	4000.2	7567.8	11299.5	15686.6	15871.2	12456.4
67.5°	670.7	672.0	715.3	845.1	1303.3	2583.7	5679.0	9736.5	14963.7	15154.6	11671.1
70°	582.9	585.5	608.4	637.6	787.8	1478.9	3692.2	7686.1	12826.8	12974.4	9788.7
72.5°	518.0	518.0	533.3	548.6	616.0	901.1	1977.9	5372.3	10123.4	10162.9	7471.0
75°	455.6	451.8	459.5	467.1	534.6	630.0	962.2	3743.2	7477.4	7385.8	4828.8
77.5°	362.7	358.9	360.2	367.8	428.9	450.6	487.5	2338.0	4214.1	3977.3	2133.1
80°	258.4	255.8	269.8	288.9	316.9	276.2	305.5	1131.5	1671.1	1555.3	827.3
82.5°	154.0	159.1	180.7	196.0	218.9	173.1	197.3	378.0	591.8	576.6	336.0
85°	21.6	22.9	64.9	75.1	94.2	67.5	104.4	170.5	236.7	253.3	118.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	8.9	30.5	67.5	68.7	29.3
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°	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4	1714.4
2.5°	1744.9	1685.1	1599.8	1528.6	1468.8	1420.4	1379.7	1349.1	1340.2	1327.5	1327.5
5°	1808.6	1700.4	1547.7	1439.5	1377.1	1340.2	1314.7	1302.0	1295.7	1288.0	1284.2
7.5°	1896.4	1744.9	1538.8	1429.3	1380.9	1358.0	1341.5	1333.8	1328.7	1321.1	1321.1
10°	2017.3	1811.1	1566.8	1464.9	1426.8	1403.8	1384.7	1372.0	1360.6	1349.1	1346.6
12.5°	2148.4	1897.7	1617.7	1513.3	1472.6	1444.6	1417.8	1398.7	1384.7	1370.7	1366.9
15°	2293.5	1986.8	1672.4	1560.4	1509.5	1471.3	1439.5	1410.2	1391.1	1370.7	1368.2
17.5°	2436.0	2077.1	1718.2	1592.2	1527.3	1480.2	1434.4	1396.2	1372.0	1349.1	1342.7
20°	2606.6	2167.5	1750.0	1601.1	1523.5	1461.1	1406.4	1358.0	1331.3	1304.6	1300.7
22.5°	2763.1	2251.5	1765.3	1588.4	1494.2	1420.4	1356.7	1304.6	1275.3	1248.6	1243.5
25°	2914.6	2325.3	1758.9	1557.8	1449.7	1364.4	1298.2	1246.0	1218.0	1190.0	1182.4
27.5°	3061.0	2374.9	1733.5	1510.8	1393.7	1302.0	1238.4	1191.3	1167.1	1142.9	1132.7
30°	3204.8	2420.8	1694.0	1449.7	1322.4	1237.1	1184.9	1151.8	1127.7	1102.2	1094.6
32.5°	3349.9	2453.9	1634.2	1378.4	1249.8	1179.8	1148.0	1123.8	1098.4	1072.9	1065.3
35°	3496.2	2467.9	1561.7	1296.9	1188.7	1142.9	1131.5	1103.5	1069.1	1038.6	1028.4
37.5°	3670.6	2480.6	1471.3	1216.7	1135.3	1125.1	1122.6	1080.6	1039.8	997.8	986.4
40°	3880.6	2497.1	1378.4	1144.2	1092.0	1118.7	1108.6	1051.3	969.8	929.1	916.4
42.5°	4137.7	2527.7	1281.7	1078.0	1060.2	1094.6	1083.1	980.0	925.3	902.4	896.0
45°	4515.7	2639.7	1184.9	1025.8	1036.0	1060.2	1042.4	938.0	916.4	901.1	893.5
47.5°	5189.0	2811.5	1100.9	986.4	1016.9	1029.7	960.9	926.6	910.0	889.7	880.7
50°	5889.0	2886.6	1033.5	962.2	995.3	1001.7	916.4	911.3	899.8	878.2	869.3
52.5°	6362.5	2876.4	992.7	953.3	977.5	953.3	896.0	894.7	887.1	861.7	851.5
55°	6897.0	2894.2	974.9	955.8	969.8	871.8	870.6	874.4	870.6	842.6	837.5
57.5°	7618.7	2949.0	966.0	964.7	964.7	832.4	846.4	851.5	843.8	831.1	827.3
60°	8312.3	2952.8	949.5	974.9	960.9	808.2	818.4	823.5	814.6	812.0	810.7
62.5°	8573.2	2769.5	912.6	967.3	945.7	781.5	789.1	791.6	782.7	789.1	787.8
65°	8185.0	2380.0	851.5	930.4	898.6	757.3	752.2	758.6	743.3	759.8	761.1
67.5°	7267.4	1891.3	758.6	860.4	832.4	730.6	720.4	720.4	694.9	720.4	719.1
70°	5859.7	1336.4	622.4	748.4	759.8	698.7	693.6	664.4	623.6	661.8	658.0
72.5°	4441.9	959.7	490.0	591.8	654.2	654.2	655.5	605.8	558.7	576.6	561.3
75°	2814.0	675.8	392.0	453.1	512.9	574.0	603.3	511.6	469.6	462.0	454.4
77.5°	1267.7	444.2	305.5	347.5	364.0	453.1	551.1	440.4	383.1	366.6	361.5
80°	530.7	276.2	217.6	245.6	224.0	380.6	486.2	342.4	281.3	258.4	241.8
82.5°	232.9	164.2	138.7	132.4	140.0	282.6	362.7	227.8	175.6	238.0	240.5
85°	98.0	86.5	71.3	64.9	57.3	108.2	170.5	89.1	109.5	62.4	50.9
87.5°	22.9	25.5	19.1	12.7	7.6	1.3	0.0	0.0	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)