

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: P631437

Luminaire Tested: GWS-SA1F-760-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-760-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6697.2 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

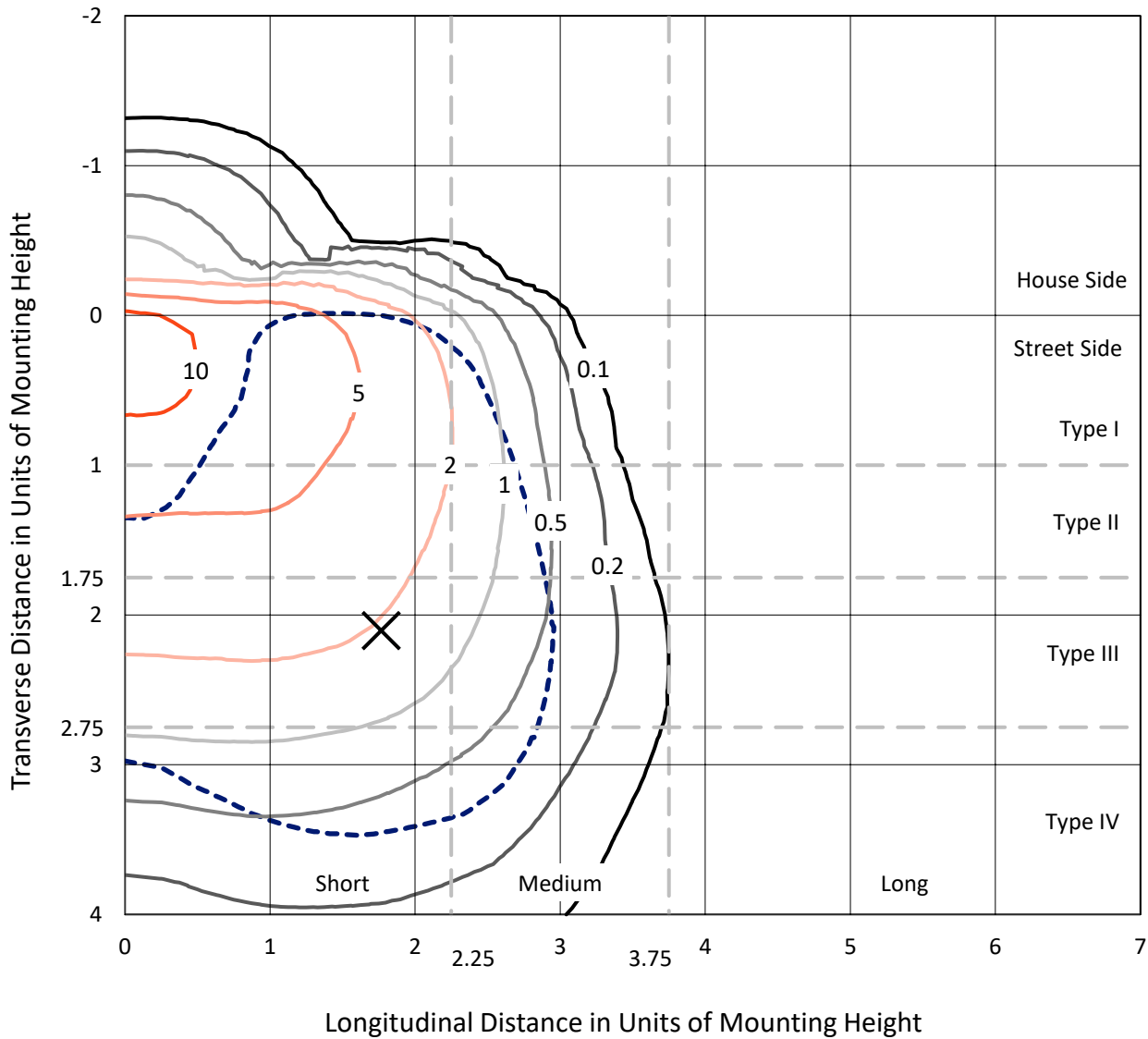
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631437
 CATALOG NUMBER: GWS-SA1F-760-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

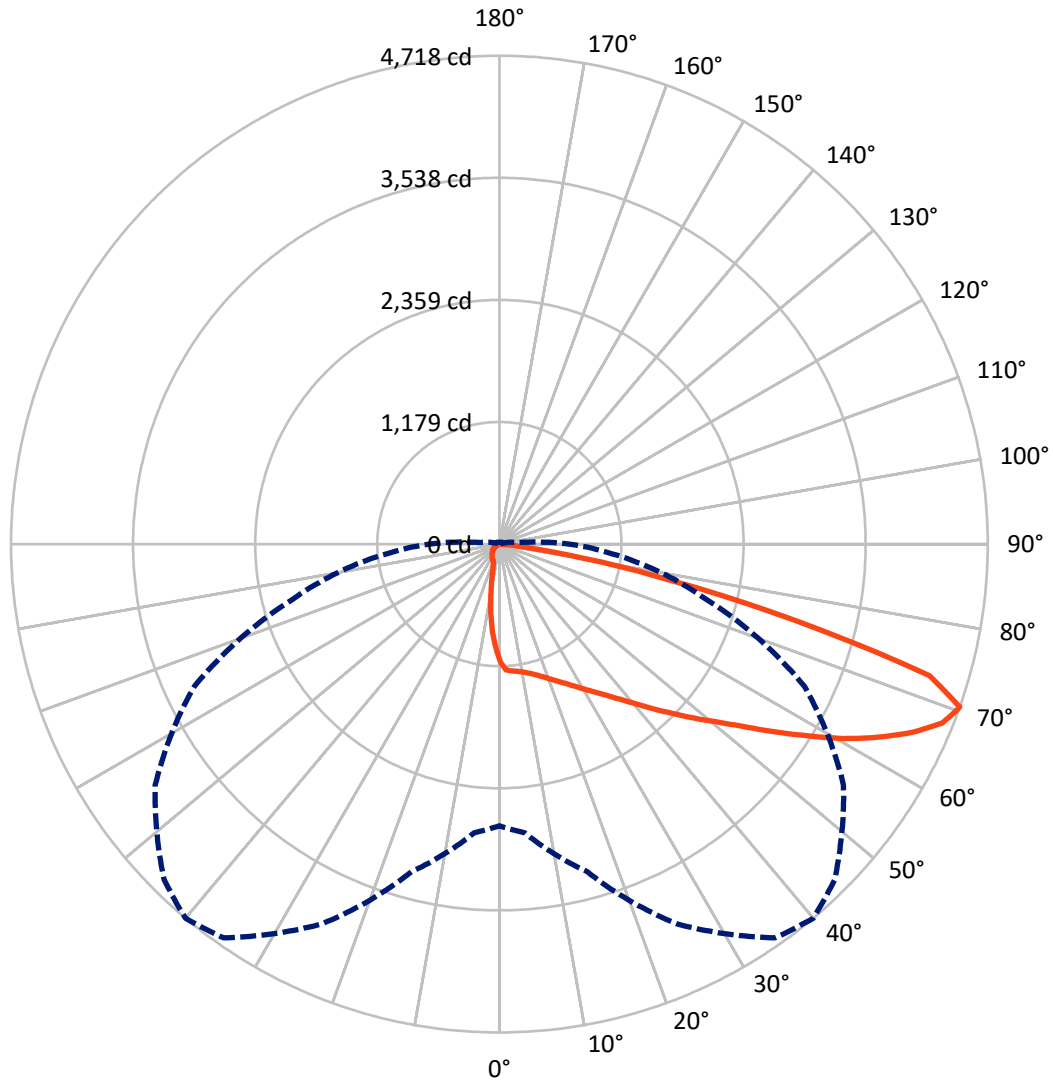
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P631437
CATALOG NUMBER: GWS-SA1F-760-U-SL4-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P631437
 CATALOG NUMBER: GWS-SA1F-760-U-SL4-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.7	0.0	547.7
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	6149.5	0.0	6149.5
	% Fixture	91.8	0.0	91.8
Total	Lumens	6697.2	0.0	6697.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	1.4
10°-20°	243.6	3.6
20°-30°	407.7	6.1
30°-40°	640.4	9.6
40°-50°	1012.9	15.1
50°-60°	1477.6	22.1
60°-70°	1831.7	27.4
70°-80°	926.7	13.8
80°-90°	60.5	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°	6697.2	100.0
0°-180°	6697.2	100.0

Coefficient of Utilization

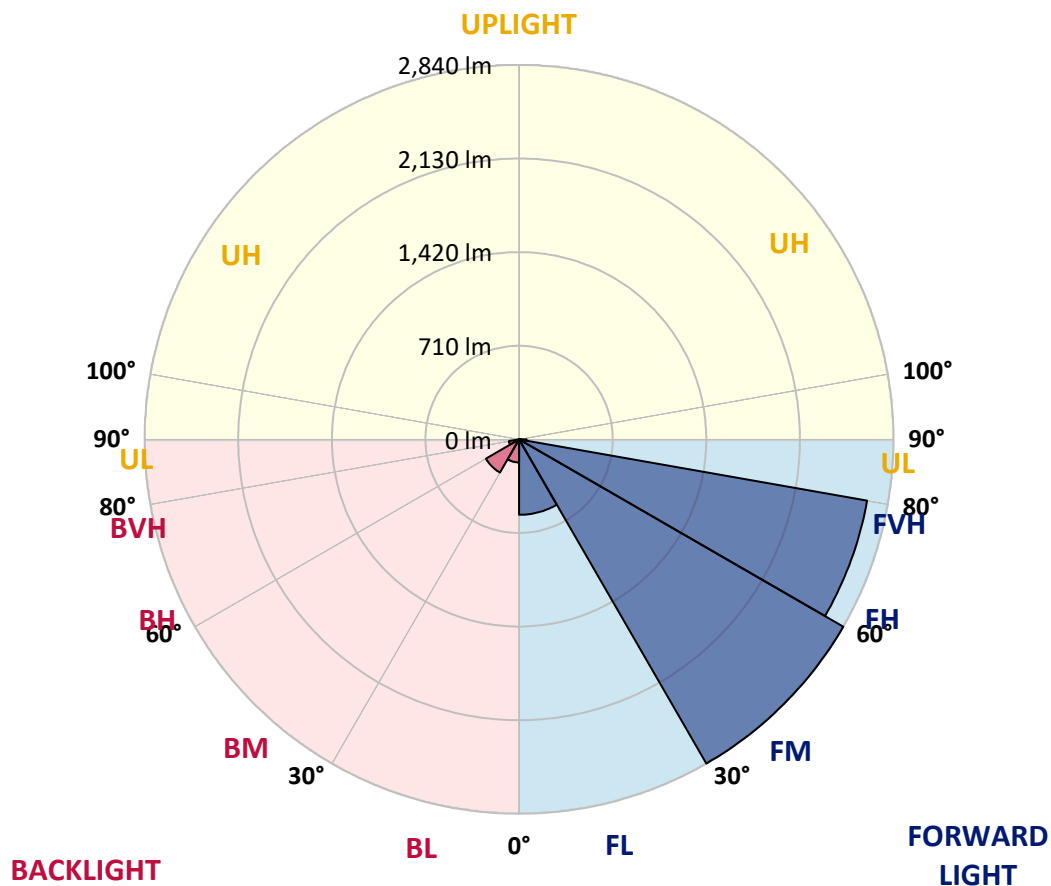


REPORT NUMBER: P631437
 CATALOG NUMBER: GWS-SA1F-760-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.5	8.5			
FM (30°-60°)	2840.2	42.4			
FH (60°-80°)	2680.3	40.0			G2/5000
FVH (80°-90°)	56.5	0.8			G1/100
BL (0°-30°)	174.9	2.6	B1/500		
BM (30°-60°)	290.7	4.3	B1/1000		
BH (60°-80°)	78.1	1.2	B0/110		G0/110
BVH (80°-90°)	4.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short





REPORT NUMBER: P631437

CATALOG NUMBER: GWS-SA1F-760-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4
2.5°	1221.7	1226.0	1225.4	1227.2	1223.0	1216.3	1215.0	1205.9	1189.4	1168.7	1145.6
5°	1246.7	1251.6	1247.9	1246.1	1238.2	1230.9	1229.1	1219.3	1200.4	1172.4	1132.2
7.5°	1268.1	1269.3	1266.8	1262.6	1251.0	1241.2	1234.5	1221.1	1198.6	1170.6	1124.2
10°	1271.7	1271.1	1272.3	1272.9	1265.6	1257.1	1251.6	1233.3	1204.7	1174.8	1124.9
12.5°	1267.4	1267.4	1275.4	1284.5	1284.5	1280.2	1274.8	1258.3	1224.8	1189.4	1137.0
15°	1272.9	1274.8	1290.0	1307.1	1312.5	1308.3	1305.8	1288.8	1254.0	1215.0	1159.0
17.5°	1292.4	1294.3	1318.6	1344.2	1350.9	1346.1	1341.2	1324.1	1286.9	1244.3	1184.0
20°	1321.1	1325.9	1357.0	1389.9	1396.0	1389.9	1380.2	1356.4	1319.2	1276.0	1207.7
22.5°	1373.5	1376.5	1410.0	1444.8	1447.8	1438.1	1423.4	1390.5	1351.5	1309.5	1234.5
25°	1442.9	1447.2	1480.7	1514.2	1506.3	1491.7	1471.6	1434.4	1389.9	1349.1	1268.7
27.5°	1525.8	1530.7	1563.6	1592.8	1572.1	1555.1	1532.5	1486.2	1441.1	1403.9	1312.5
30°	1615.4	1619.6	1648.9	1675.1	1647.7	1627.6	1600.8	1553.2	1507.5	1479.5	1374.7
32.5°	1701.9	1701.3	1729.3	1750.7	1722.6	1706.8	1682.4	1634.3	1597.7	1585.5	1467.3
35°	1782.3	1782.3	1805.5	1826.8	1806.7	1798.2	1775.6	1737.3	1716.5	1731.2	1591.0
37.5°	1863.4	1859.1	1881.1	1904.8	1903.0	1903.6	1890.8	1872.5	1873.7	1925.5	1761.0
40°	1930.4	1928.6	1954.2	1985.3	2009.6	2029.1	2021.2	2027.9	2066.3	2163.2	1978.6
42.5°	1984.0	1988.3	2021.2	2070.6	2132.1	2171.7	2177.2	2204.6	2303.3	2453.2	2224.1
45°	2045.6	2046.2	2091.9	2167.5	2265.6	2328.3	2350.3	2420.9	2561.1	2754.3	2493.5
47.5°	2121.1	2113.8	2165.0	2271.0	2413.0	2505.6	2544.6	2633.0	2849.9	3048.0	2712.8
50°	2204.6	2191.2	2249.1	2393.5	2578.2	2693.9	2773.1	2902.3	3136.3	3289.3	2876.1
52.5°	2301.5	2288.7	2354.5	2534.3	2776.2	2917.0	3018.7	3149.1	3381.9	3473.3	2973.6
55°	2424.6	2411.8	2481.3	2703.1	3010.2	3193.0	3299.6	3409.3	3610.4	3609.2	3044.3
57.5°	2561.1	2543.4	2639.7	2916.3	3302.1	3492.2	3600.6	3654.3	3784.1	3714.6	3091.8
60°	2717.7	2701.9	2835.3	3170.4	3639.0	3815.1	3883.4	3861.4	3926.6	3776.7	3075.4
62.5°	2859.1	2851.7	3017.5	3439.8	3960.2	4108.8	4127.7	4032.1	4031.4	3778.0	2964.5
65°	3005.9	3019.9	3266.1	3749.9	4283.1	4383.0	4350.7	4201.5	4073.5	3628.7	2636.7
67.5°	3060.8	3101.6	3430.0	4030.2	4537.8	4615.8	4559.1	4286.2	3898.6	3126.6	2007.8
70°	2722.0	2798.7	3275.2	4046.1	4643.2	4717.6	4581.7	4058.3	3250.3	2071.2	1099.9
72.5°	2070.0	2159.5	2729.3	3313.0	4175.9	4345.3	4113.1	3306.3	2094.9	907.3	369.3
75°	1158.4	1255.3	2032.8	2494.7	2803.6	2958.4	2873.1	2121.1	928.0	237.0	110.3
77.5°	391.8	424.1	945.7	1543.5	1850.6	1711.7	1449.0	1053.6	341.2	90.2	58.5
80°	232.2	244.3	352.2	768.4	973.7	807.4	637.4	389.4	173.7	48.1	40.8
82.5°	69.5	82.3	194.4	285.2	381.5	237.6	201.1	222.4	90.2	26.2	34.1
85°	0.0	0.0	41.4	88.4	99.9	39.0	39.0	126.1	16.5	11.0	25.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	3.0	1.8	2.4	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631437
 CATALOG NUMBER: GWS-SA1F-760-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4	1136.4
2.5°	1129.1	1107.8	1082.8	1059.0	1036.5	1007.3	993.2	976.2	961.6	953.6	957.9
5°	1106.6	1073.1	1021.9	970.1	917.7	868.3	823.8	794.0	767.2	753.2	756.2
7.5°	1087.1	1042.0	962.2	877.5	793.4	708.7	639.8	586.2	544.8	527.7	524.6
10°	1078.5	1021.9	909.1	787.3	658.1	544.1	446.7	387.5	345.5	324.8	328.4
12.5°	1082.8	1011.5	864.1	698.9	531.4	398.5	305.3	249.8	220.0	207.8	204.7
15°	1095.0	1009.1	823.8	608.7	410.1	278.5	210.8	188.3	182.2	181.0	181.0
17.5°	1109.0	1009.7	782.4	517.3	311.4	206.6	180.4	176.1	174.3	173.1	173.7
20°	1123.0	1009.7	734.9	424.7	234.0	178.5	171.8	168.8	167.0	166.4	166.4
22.5°	1140.1	1009.7	681.9	338.8	187.7	169.4	163.9	162.1	160.3	159.6	159.0
25°	1160.8	1010.3	623.4	265.1	170.6	161.5	157.2	155.4	153.6	152.3	152.3
27.5°	1190.7	1015.2	558.8	206.6	160.9	154.2	150.5	148.7	146.9	145.0	145.0
30°	1233.9	1027.4	486.3	170.6	151.7	146.2	142.6	141.4	139.5	137.7	137.1
32.5°	1298.5	1048.7	411.3	152.9	143.2	137.7	133.4	132.2	130.4	128.6	128.0
35°	1388.7	1087.7	338.2	142.0	132.2	126.7	124.3	123.7	121.3	119.4	119.4
37.5°	1520.9	1151.1	268.1	131.0	123.1	118.8	115.8	114.6	112.1	110.3	109.7
40°	1682.4	1233.3	208.4	122.5	114.6	110.3	107.2	105.4	102.4	99.9	98.7
42.5°	1888.4	1333.9	164.5	113.3	106.6	102.4	99.9	96.3	92.0	88.4	87.7
45°	2102.9	1437.5	135.9	104.8	99.3	95.7	92.6	87.7	81.7	77.4	76.2
47.5°	2267.4	1502.0	118.8	95.7	91.4	88.4	84.7	78.6	71.3	66.4	65.2
50°	2385.0	1511.8	106.0	87.1	84.7	81.7	76.2	68.9	60.9	56.1	54.8
52.5°	2442.9	1467.9	95.7	79.2	77.4	74.3	67.6	59.7	51.2	46.3	45.1
55°	2469.1	1385.0	85.9	72.5	70.1	66.4	59.1	50.6	42.0	37.8	36.6
57.5°	2458.7	1262.6	77.4	65.8	62.8	58.5	50.6	41.4	34.7	30.5	29.9
60°	2381.9	1090.7	68.9	59.1	55.5	50.6	42.7	34.1	28.0	25.0	24.4
62.5°	2216.2	877.5	60.3	51.2	48.7	43.9	36.6	28.0	23.2	21.3	20.7
65°	1876.8	620.3	51.8	43.3	42.0	37.2	30.5	23.2	20.1	18.9	18.3
67.5°	1349.1	377.2	43.9	37.2	36.0	31.7	25.6	20.1	18.3	17.7	17.7
70°	678.2	178.5	34.7	30.5	30.5	26.2	21.9	18.3	17.7	17.1	17.1
72.5°	230.3	76.2	26.2	23.8	25.0	22.5	18.9	17.1	17.1	17.1	17.1
75°	78.6	40.2	18.3	17.1	18.3	18.3	16.5	16.5	17.1	17.1	17.1
77.5°	51.2	26.8	12.8	11.6	14.0	14.0	14.0	15.2	16.5	16.5	16.5
80°	42.0	14.6	8.5	7.9	10.4	10.4	11.6	14.0	15.2	15.2	15.2
82.5°	36.0	9.1	4.9	5.5	7.3	7.9	9.7	11.6	13.4	14.0	14.0
85°	24.4	4.9	3.7	4.3	4.9	6.1	7.9	9.7	11.0	12.2	12.2
87.5°	6.7	1.8	2.4	3.0	3.0	4.3	6.1	7.3	8.5	9.1	9.1
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)