

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: P633603

Luminaire Tested: GWS-SA2F-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8772.7 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

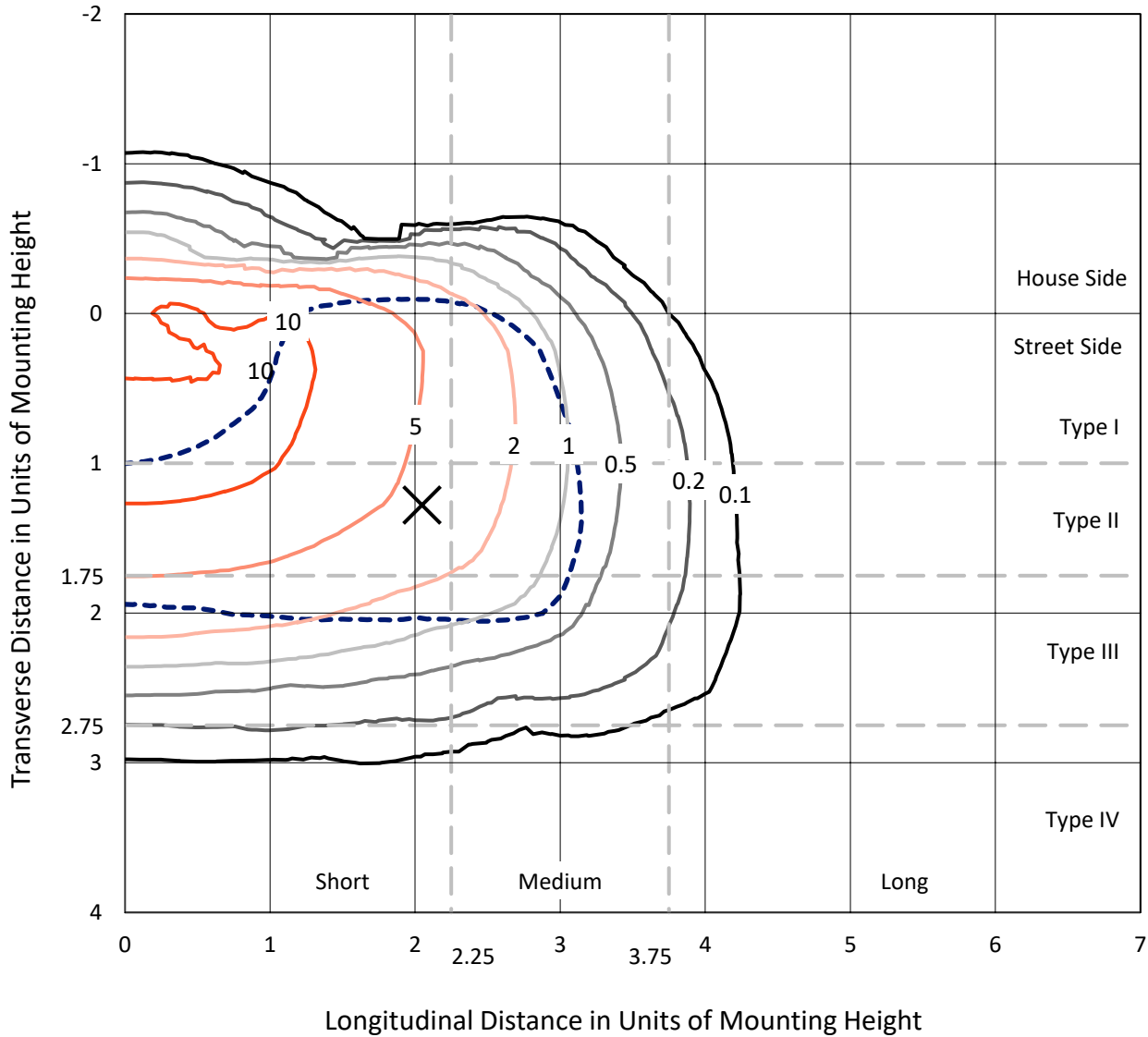
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

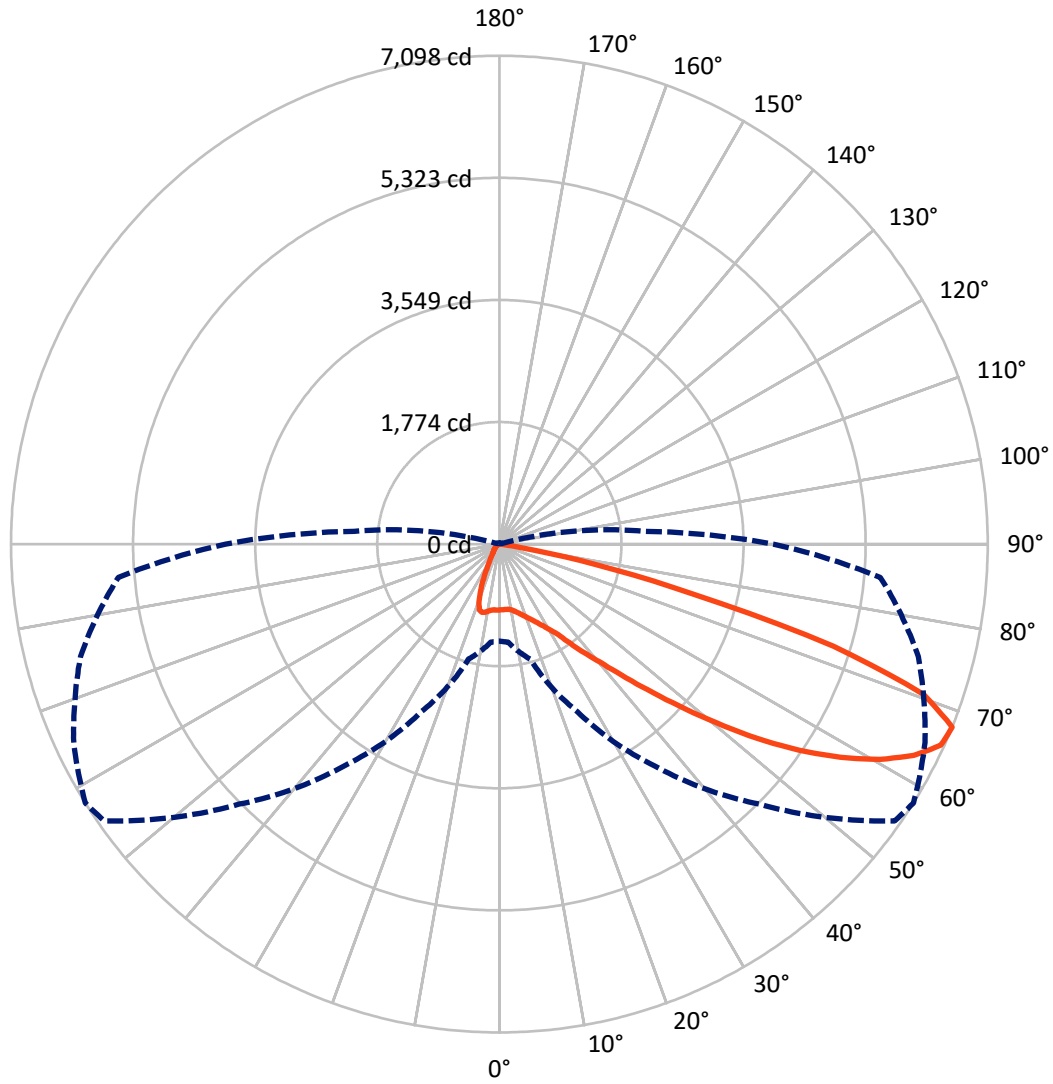
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	957.1	0.0	957.1
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	7815.6	0.0	7815.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	8772.7	0.0	8772.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	1.0
10°-20°	252.1	2.9
20°-30°	440.1	5.0
30°-40°	786.0	9.0
40°-50°	1436.6	16.4
50°-60°	2389.3	27.2
60°-70°	2595.1	29.6
70°-80°	762.0	8.7
80°-90°	21.7	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°	8772.7	100.0
0°-180°	8772.7	100.0

Coefficient of Utilization



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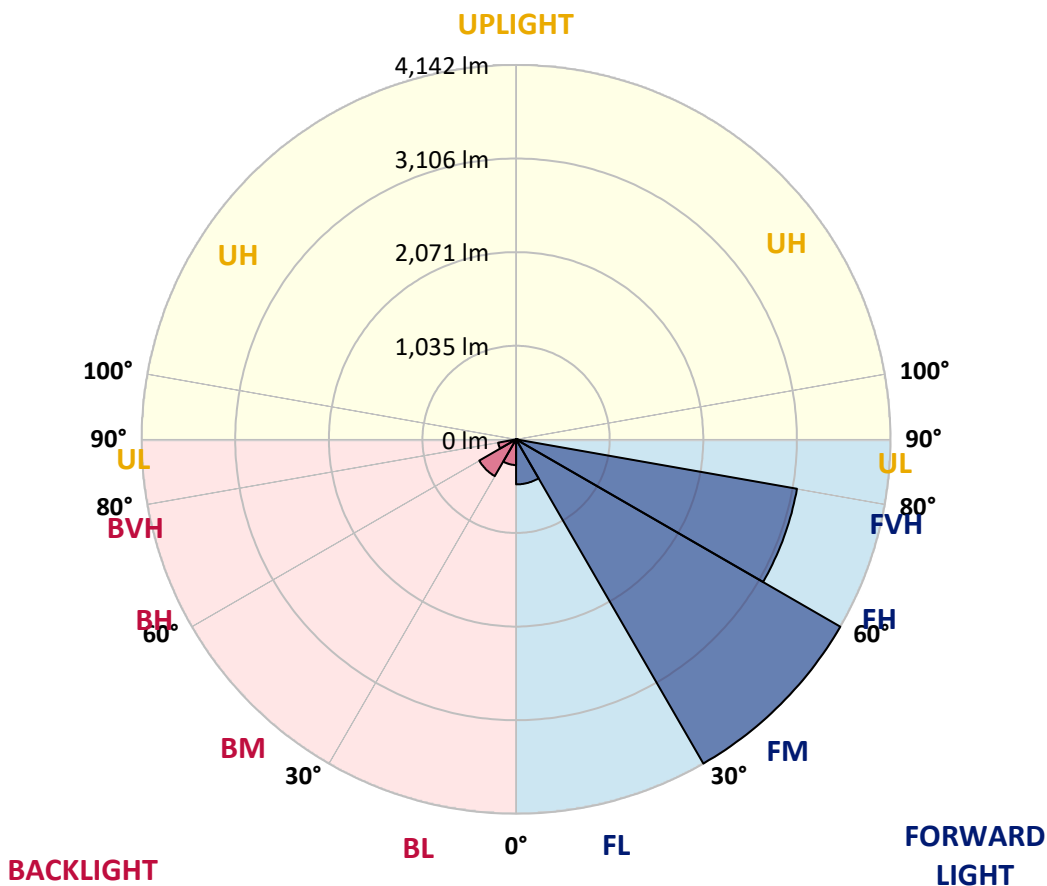
CATALOG NUMBER: GWS-SA2F-722-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.2	5.7			
FM (30°-60°)	4141.8	47.2			
FH (60°-80°)	3155.1	36.0			G2/5000
FVH (80°-90°)	20.6	0.2			G1/100
BL (0°-30°)	283.9	3.2	B1/500		
BM (30°-60°)	470.1	5.4	B1/1000		
BH (60°-80°)	202.0	2.3	B1/500		G1/500
BVH (80°-90°)	1.1	0.0			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0
2.5°	938.0	936.3	936.3	943.1	944.0	947.4	955.1	956.0	960.2	958.5	952.5
5°	889.1	890.0	895.1	907.1	917.4	930.3	949.1	953.4	962.8	968.0	964.5
7.5°	843.7	844.6	852.3	871.2	890.9	916.6	947.4	956.0	974.8	988.5	989.4
10°	826.6	825.8	833.5	854.9	880.6	916.6	961.1	972.2	1000.5	1024.5	1028.8
12.5°	831.8	830.9	838.6	858.3	886.6	932.0	985.1	1000.5	1036.5	1073.3	1081.0
15°	852.3	851.5	856.6	872.9	903.7	950.8	1015.9	1039.1	1084.5	1129.0	1141.0
17.5°	914.0	909.7	904.6	906.3	924.3	973.1	1055.3	1083.6	1140.1	1193.2	1203.5
20°	1023.6	1012.5	998.8	980.8	972.2	1005.6	1100.7	1133.3	1201.8	1262.6	1264.3
22.5°	1189.0	1184.7	1153.0	1100.7	1063.9	1064.8	1153.8	1191.5	1275.5	1342.3	1332.9
25°	1419.4	1416.8	1368.0	1282.3	1186.4	1153.8	1221.5	1260.1	1362.8	1433.9	1404.0
27.5°	1705.5	1687.5	1630.1	1514.5	1371.4	1269.5	1307.2	1341.4	1455.4	1522.2	1465.6
30°	1954.8	1955.6	1901.6	1780.9	1619.8	1443.4	1411.7	1441.7	1540.2	1610.4	1541.9
32.5°	2194.6	2202.3	2143.2	2034.4	1858.0	1670.4	1561.6	1566.7	1648.9	1725.2	1642.1
35°	2417.3	2423.3	2382.2	2289.7	2125.2	1907.6	1770.6	1768.0	1812.6	1890.5	1781.7
37.5°	2666.6	2672.6	2632.3	2549.2	2395.0	2179.2	2007.9	2004.4	2022.4	2085.8	1961.6
40°	2932.1	2943.3	2898.7	2828.5	2681.1	2498.7	2283.7	2252.8	2234.9	2309.4	2194.6
42.5°	3201.1	3218.2	3202.8	3132.6	3006.7	2855.9	2641.7	2593.8	2555.2	2648.6	2527.0
45°	3535.2	3555.7	3548.9	3494.9	3397.3	3274.8	3072.6	3016.9	2998.9	3085.5	2940.7
47.5°	3856.4	3878.7	3903.5	3891.5	3822.1	3765.6	3541.2	3509.5	3504.3	3596.9	3372.4
50°	4095.4	4115.9	4211.0	4279.6	4326.7	4314.7	4120.2	4073.1	4065.4	4124.5	3828.1
52.5°	4266.7	4286.4	4417.5	4631.6	4804.7	4898.9	4702.7	4692.4	4650.5	4629.9	4254.7
55°	4399.5	4426.9	4564.8	4888.6	5237.2	5446.2	5323.8	5286.9	5179.0	5060.8	4650.5
57.5°	4426.0	4437.2	4631.6	5068.5	5573.0	5911.4	5911.4	5847.1	5639.0	5475.4	5107.9
60°	4187.9	4222.2	4485.1	5053.9	5716.9	6215.5	6398.8	6354.2	6073.3	5872.0	5548.2
62.5°	3659.4	3697.9	4018.3	4705.3	5573.0	6278.0	6768.0	6761.1	6444.2	6200.0	5913.1
65°	2806.2	2834.5	3113.7	3936.1	4964.8	6037.3	7031.8	7050.6	6737.1	6416.8	6039.0
67.5°	1410.0	1429.7	1731.2	2688.9	3935.2	5344.3	7013.8	7097.8	6826.2	6302.0	5558.5
70°	492.5	512.2	654.4	1153.8	2395.0	4080.8	6407.3	6544.4	6302.8	5379.4	4100.5
72.5°	168.7	178.2	271.5	428.3	932.0	2419.0	4872.3	5078.8	4646.2	3611.4	2356.5
75°	95.9	101.9	145.6	232.1	390.6	795.8	2764.2	2891.0	2708.6	1968.5	969.7
77.5°	65.1	70.2	90.8	131.9	215.9	256.1	1127.3	1419.4	1237.8	642.4	247.6
80°	38.5	42.0	55.7	78.0	110.5	99.4	241.6	321.2	413.7	191.9	74.5
82.5°	18.0	20.6	36.0	51.4	55.7	42.0	71.1	86.5	116.5	94.2	30.8
85°	0.0	0.0	12.0	21.4	20.6	12.0	19.7	21.4	31.7	47.1	12.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	1.7	2.6	5.1	9.4	5.1
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°	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0	956.0
2.5°	959.4	953.4	960.2	956.8	960.2	959.4	952.5	948.3	948.3	940.5	938.0
5°	971.4	965.4	967.1	959.4	957.7	953.4	944.8	941.4	941.4	933.7	931.1
7.5°	997.9	988.5	986.8	971.4	964.5	952.5	937.1	931.1	930.3	922.6	920.0
10°	1039.9	1028.8	1021.1	1001.4	981.7	957.7	925.1	897.7	882.3	861.7	860.0
12.5°	1091.3	1077.6	1065.6	1035.6	1003.1	949.1	853.2	752.9	691.3	642.4	645.9
15°	1148.7	1135.8	1117.0	1071.6	1004.8	864.3	663.9	509.7	434.3	394.0	392.3
17.5°	1211.2	1192.4	1161.5	1099.9	950.8	660.4	431.7	304.9	265.5	251.8	248.4
20°	1269.5	1246.3	1207.8	1105.9	794.9	447.1	269.8	236.4	229.6	225.3	225.3
22.5°	1331.2	1302.0	1244.6	1059.6	591.1	286.1	229.6	221.9	216.7	210.7	209.9
25°	1393.7	1356.0	1278.0	938.8	387.2	225.3	215.0	206.4	197.0	187.6	185.0
27.5°	1446.8	1398.0	1303.7	758.9	248.4	203.0	196.2	181.6	168.7	158.5	156.8
30°	1510.2	1447.6	1314.9	555.1	195.3	179.0	168.7	153.3	137.9	127.6	124.2
32.5°	1595.0	1526.5	1297.7	361.5	173.0	157.6	141.3	123.3	107.9	96.8	95.1
35°	1726.9	1645.5	1218.9	230.4	156.8	136.2	116.5	97.7	84.8	76.2	74.5
37.5°	1887.9	1812.6	1089.6	173.0	140.5	118.2	95.1	77.1	67.7	61.7	60.0
40°	2126.9	2021.6	929.4	151.6	124.2	100.2	78.0	63.4	56.5	51.4	49.7
42.5°	2437.0	2268.3	745.2	137.9	108.8	83.9	63.4	52.3	46.3	42.8	42.0
45°	2799.4	2509.0	550.8	124.2	94.2	69.4	52.3	42.8	38.5	36.0	35.1
47.5°	3170.3	2719.7	380.3	109.6	80.5	57.4	43.7	36.8	33.4	30.0	29.1
50°	3566.0	2897.9	259.5	95.1	68.5	47.1	37.7	33.4	29.1	26.6	25.7
52.5°	3856.4	2963.8	180.7	82.2	58.2	40.3	33.4	30.0	26.6	23.1	22.3
55°	4124.5	2962.1	137.1	69.4	49.7	35.1	30.0	26.6	23.1	20.6	19.7
57.5°	4391.8	2939.0	107.9	59.1	42.8	31.7	26.6	23.1	21.4	18.0	17.1
60°	4564.8	2851.6	83.9	49.7	36.8	27.4	23.1	20.6	18.0	15.4	14.6
62.5°	4656.5	2730.0	64.2	39.4	30.0	24.0	20.6	18.0	15.4	12.8	12.0
65°	4532.3	2514.1	50.5	30.8	23.1	20.6	17.1	14.6	12.0	9.4	8.6
67.5°	3981.5	2120.1	39.4	24.8	18.0	15.4	14.6	12.0	8.6	6.9	6.0
70°	2813.9	1451.9	30.8	18.8	13.7	12.0	11.1	9.4	6.9	5.1	4.3
72.5°	1544.4	732.4	22.3	13.7	10.3	9.4	8.6	7.7	6.0	4.3	4.3
75°	594.5	201.3	16.3	9.4	6.9	6.9	6.0	6.0	5.1	3.4	3.4
77.5°	155.0	60.0	10.3	6.0	4.3	4.3	4.3	3.4	3.4	2.6	2.6
80°	49.7	19.7	6.0	4.3	3.4	2.6	2.6	1.7	2.6	1.7	1.7
82.5°	16.3	6.9	3.4	3.4	2.6	1.7	1.7	0.9	0.9	0.0	0.0
85°	6.0	3.4	2.6	1.7	1.7	1.7	0.9	0.0	0.0	0.0	0.0
87.5°	3.4	1.7	1.7	1.7	1.7	0.9	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)