

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: P632888

Luminaire Tested: GWS-SA2D-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632888
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-SA2D-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8768.4 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

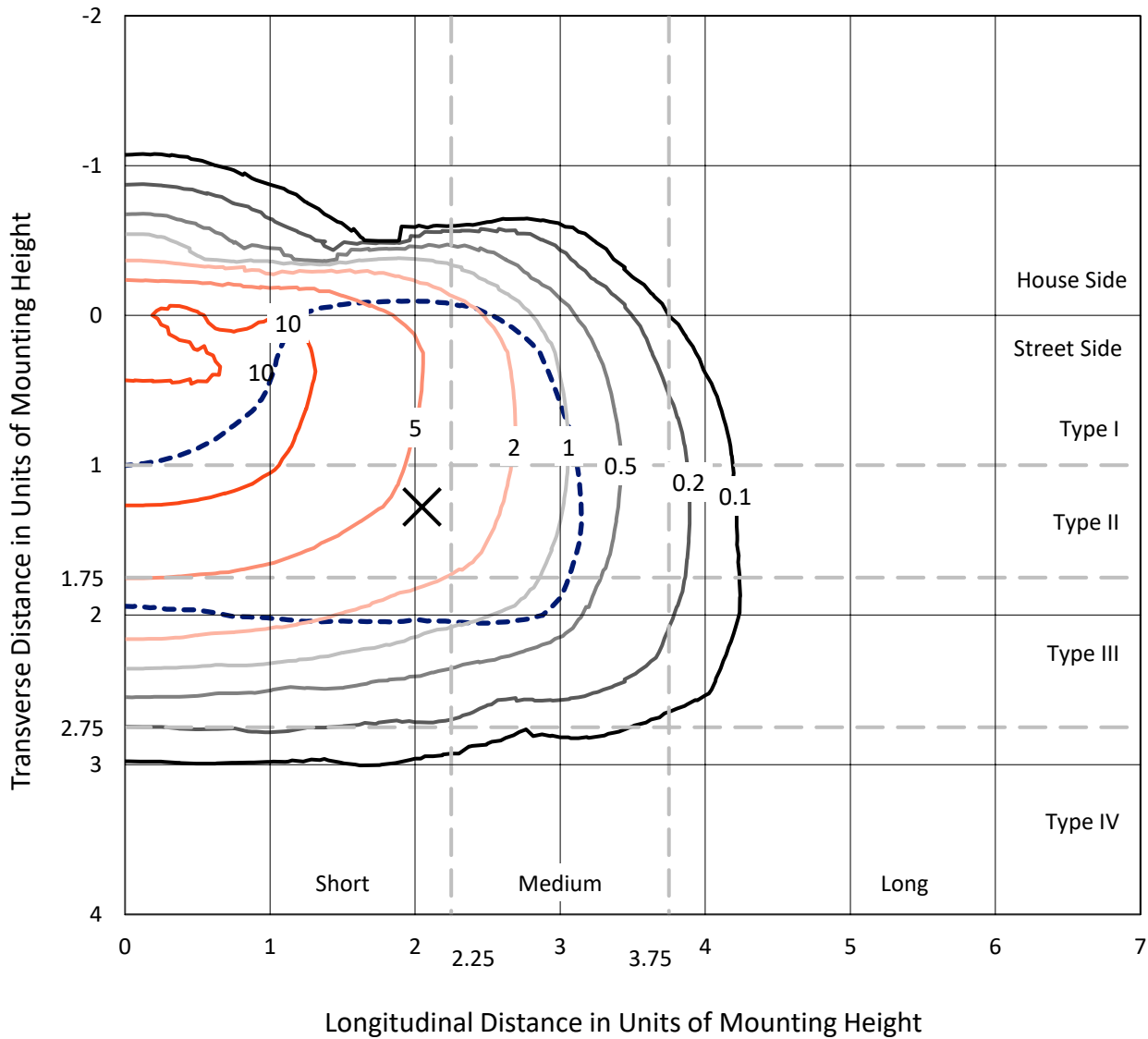
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

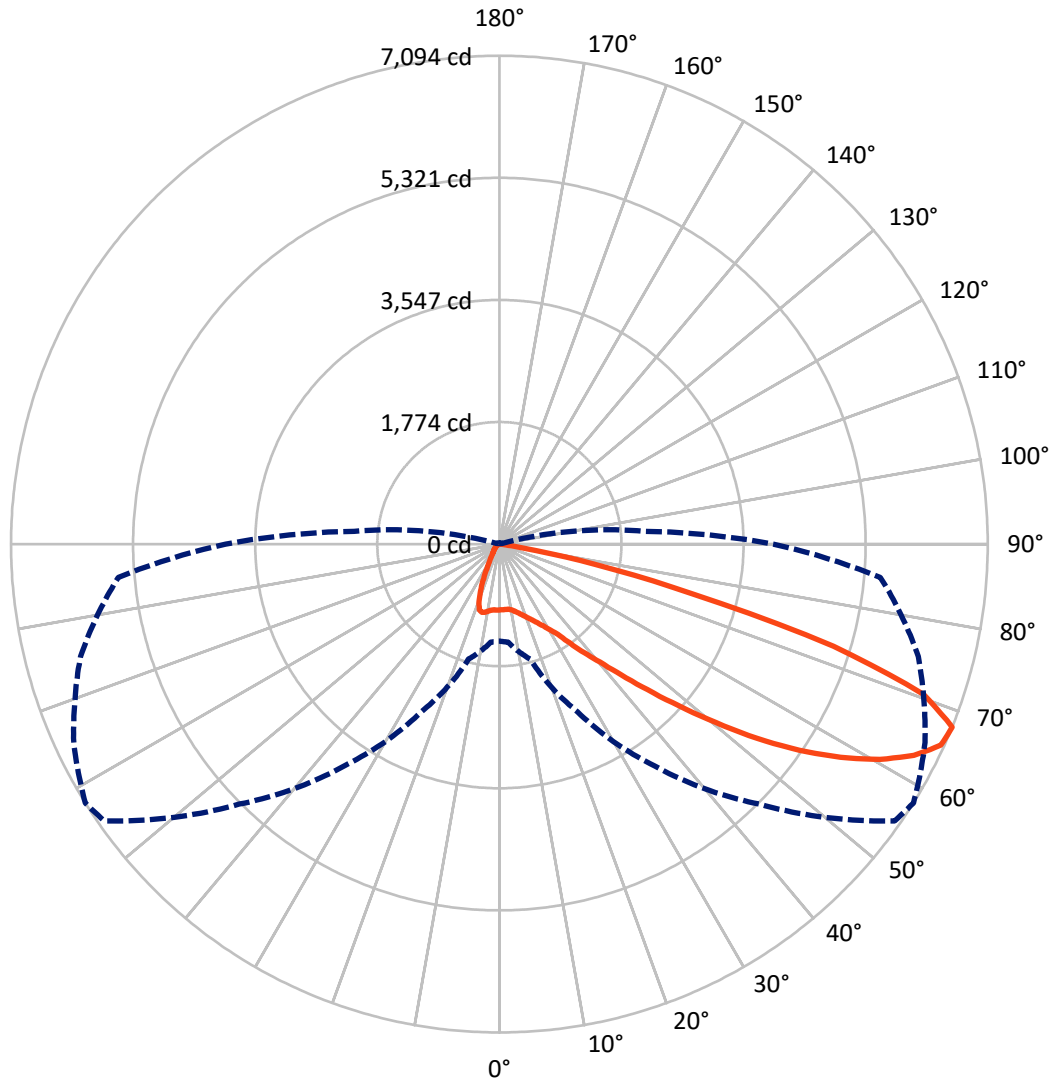
✕ Max cd
 - - - 1/2 Max cd



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	956.6	0.0	956.6
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	7811.8	0.0	7811.8
	% Fixture	89.1	0.0	89.1
Total	Lumens	8768.4	0.0	8768.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.8	1.0
10°-20°	252.0	2.9
20°-30°	439.9	5.0
30°-40°	785.6	9.0
40°-50°	1435.9	16.4
50°-60°	2388.1	27.2
60°-70°	2593.9	29.6
70°-80°	761.6	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°	8768.4	100.0
0°-180°	8768.4	100.0

Coefficient of Utilization



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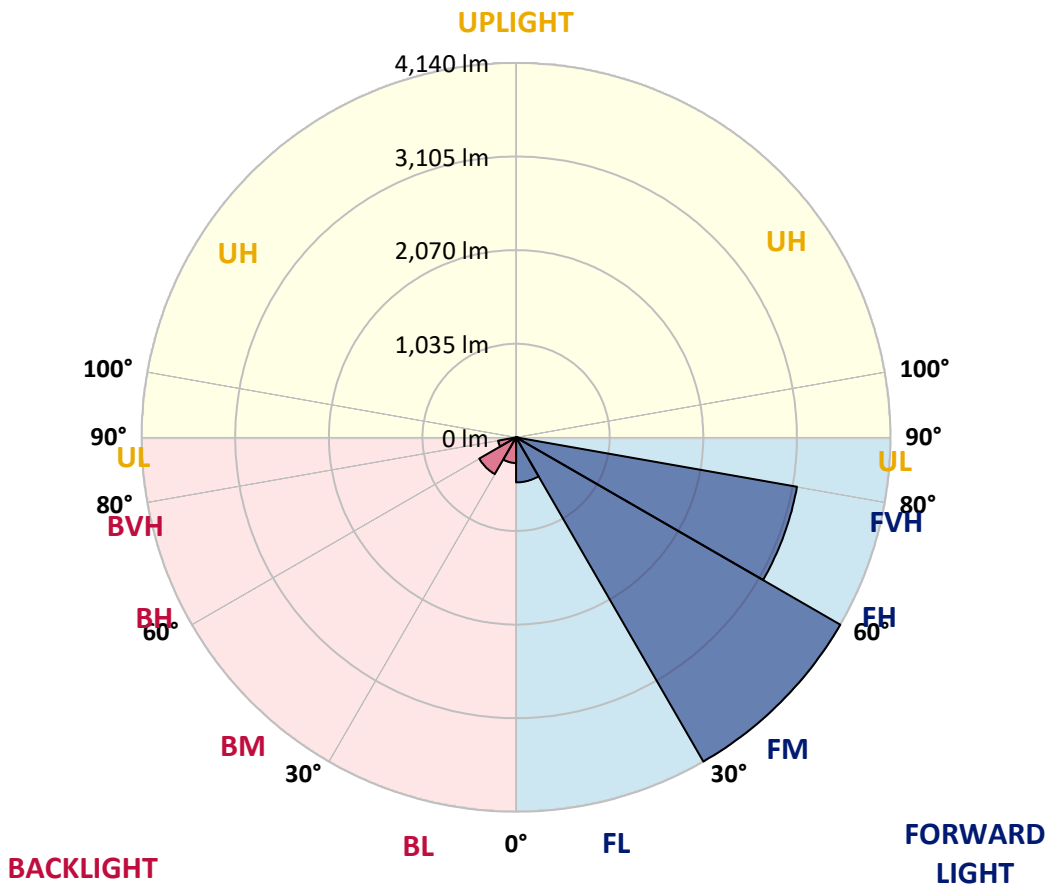
CATALOG NUMBER: GWS-SA2D-750-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.9	5.7			
FM (30°-60°)	4139.7	47.2			
FH (60°-80°)	3153.5	36.0			G2/5000
FVH (80°-90°)	20.6	0.2			G1/100
BL (0°-30°)	283.8	3.2	B1/500		
BM (30°-60°)	469.9	5.4	B1/1000		
BH (60°-80°)	201.9	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°	955.5	955.5	955.5	955.5	955.5	955.5	955.5	955.5	955.5	955.5	955.5
2.5°	937.5	935.8	935.8	942.7	943.5	946.9	954.6	955.5	959.8	958.1	952.1
5°	888.7	889.6	894.7	906.7	917.0	929.8	948.6	952.9	962.3	967.5	964.1
7.5°	843.3	844.2	851.9	870.7	890.4	916.1	946.9	955.5	974.3	988.0	988.9
10°	826.2	825.4	833.1	854.5	880.2	916.1	960.6	971.8	1000.0	1024.0	1028.3
12.5°	831.3	830.5	838.2	857.9	886.1	931.5	984.6	1000.0	1036.0	1072.8	1080.5
15°	851.9	851.0	856.2	872.4	903.3	950.4	1015.4	1038.5	1083.9	1128.4	1140.4
17.5°	913.5	909.3	904.1	905.8	923.8	972.6	1054.8	1083.1	1139.6	1192.7	1202.9
20°	1023.1	1012.0	998.3	980.3	971.8	1005.2	1100.2	1132.7	1201.2	1262.0	1263.7
22.5°	1188.4	1184.1	1152.4	1100.2	1063.4	1064.2	1153.3	1190.9	1274.8	1341.6	1332.2
25°	1418.7	1416.1	1367.3	1281.7	1185.8	1153.3	1220.9	1259.4	1362.2	1433.2	1403.3
27.5°	1704.6	1686.7	1629.3	1513.7	1370.7	1268.9	1306.5	1340.8	1454.6	1521.4	1464.9
30°	1953.8	1954.7	1900.7	1780.0	1619.0	1442.7	1411.0	1440.9	1539.4	1609.6	1541.1
32.5°	2193.5	2201.2	2142.2	2033.4	1857.0	1669.5	1560.8	1565.9	1648.1	1724.3	1641.3
35°	2416.1	2422.1	2381.0	2288.6	2124.2	1906.7	1769.7	1767.1	1811.7	1889.6	1780.8
37.5°	2665.3	2671.3	2631.0	2548.0	2393.9	2178.1	2006.9	2003.5	2021.4	2084.8	1960.6
40°	2930.7	2941.8	2897.3	2827.1	2679.8	2497.5	2282.6	2251.7	2233.8	2308.3	2193.5
42.5°	3199.5	3216.7	3201.2	3131.0	3005.2	2854.5	2640.5	2592.5	2554.0	2647.3	2525.7
45°	3533.4	3554.0	3547.1	3493.2	3395.6	3273.2	3071.1	3015.5	2997.5	3083.9	2939.3
47.5°	3854.5	3876.8	3901.6	3889.6	3820.3	3763.8	3539.4	3507.8	3502.6	3595.1	3370.8
50°	4093.4	4113.9	4209.0	4277.5	4324.6	4312.6	4118.2	4071.1	4063.4	4122.5	3826.3
52.5°	4264.6	4284.3	4415.3	4629.3	4802.3	4896.5	4700.4	4690.1	4648.2	4627.6	4252.6
55°	4397.3	4424.7	4562.6	4886.2	5234.7	5443.6	5321.1	5284.3	5176.4	5058.3	4648.2
57.5°	4423.9	4435.0	4629.3	5066.0	5570.3	5908.5	5908.5	5844.3	5636.2	5472.7	5105.4
60°	4185.8	4220.1	4482.9	5051.4	5714.1	6212.4	6395.6	6351.1	6070.3	5869.1	5545.5
62.5°	3657.6	3696.1	4016.3	4703.0	5570.3	6274.9	6764.7	6757.8	6441.0	6197.0	5910.2
65°	2804.8	2833.1	3112.2	3934.1	4962.4	6034.3	7028.4	7047.2	6733.8	6413.6	6036.0
67.5°	1409.3	1429.0	1730.3	2687.5	3933.3	5341.7	7010.4	7094.3	6822.9	6298.9	5555.7
70°	492.3	512.0	654.1	1153.3	2393.9	4078.8	6404.2	6541.2	6299.8	5376.8	4098.5
72.5°	168.7	178.1	271.4	428.1	931.5	2417.8	4869.9	5076.3	4643.9	3609.6	2355.3
75°	95.9	101.9	145.6	232.0	390.4	795.4	2762.9	2889.6	2707.2	1967.5	969.2
77.5°	65.1	70.2	90.8	131.9	215.8	256.0	1126.7	1418.7	1237.2	642.1	247.4
80°	38.5	42.0	55.7	77.9	110.4	99.3	241.4	321.1	413.5	191.8	74.5
82.5°	18.0	20.5	36.0	51.4	55.7	42.0	71.1	86.5	116.4	94.2	30.8
85°	0.0	0.0	12.0	21.4	20.5	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°	955.5	955.5	955.5	955.5	955.5	955.5	955.5	955.5	955.5	955.5	955.5
2.5°	958.9	952.9	959.8	956.3	959.8	958.9	952.1	947.8	947.8	940.1	937.5
5°	970.9	964.9	966.6	958.9	957.2	952.9	944.4	940.9	940.9	933.2	930.7
7.5°	997.4	988.0	986.3	970.9	964.1	952.1	936.7	930.7	929.8	922.1	919.5
10°	1039.4	1028.3	1020.6	1000.9	981.2	957.2	924.7	897.3	881.9	861.3	859.6
12.5°	1090.8	1077.1	1065.1	1035.1	1002.6	948.6	852.8	752.6	690.9	642.1	645.6
15°	1148.1	1135.3	1116.5	1071.1	1004.3	863.9	663.5	509.4	434.1	393.8	392.1
17.5°	1210.6	1191.8	1161.0	1099.3	950.4	660.1	431.5	304.8	265.4	251.7	248.3
20°	1268.9	1245.7	1207.2	1105.3	794.5	446.9	269.7	236.3	229.5	225.2	225.2
22.5°	1330.5	1301.4	1244.0	1059.1	590.8	286.0	229.5	221.7	216.6	210.6	209.8
25°	1393.0	1355.3	1277.4	938.4	387.0	225.2	214.9	206.3	196.9	187.5	184.9
27.5°	1446.1	1397.3	1303.1	758.6	248.3	202.9	196.1	181.5	168.7	158.4	156.7
30°	1509.4	1446.9	1314.2	554.8	195.2	178.9	168.7	153.3	137.8	127.6	124.1
32.5°	1594.2	1525.7	1297.1	361.3	172.9	157.5	141.3	123.3	107.9	96.7	95.0
35°	1726.1	1644.7	1218.3	230.3	156.7	136.1	116.4	97.6	84.8	76.2	74.5
37.5°	1887.0	1811.7	1089.1	172.9	140.4	118.2	95.0	77.1	67.6	61.6	59.9
40°	2125.9	2020.6	929.0	151.5	124.1	100.2	77.9	63.4	56.5	51.4	49.7
42.5°	2435.8	2267.2	744.9	137.8	108.7	83.9	63.4	52.2	46.2	42.8	42.0
45°	2798.0	2507.7	550.5	124.1	94.2	69.4	52.2	42.8	38.5	36.0	35.1
47.5°	3168.7	2718.4	380.1	109.6	80.5	57.4	43.7	36.8	33.4	30.0	29.1
50°	3564.3	2896.4	259.4	95.0	68.5	47.1	37.7	33.4	29.1	26.5	25.7
52.5°	3854.5	2962.4	180.7	82.2	58.2	40.2	33.4	30.0	26.5	23.1	22.3
55°	4122.5	2960.7	137.0	69.4	49.7	35.1	30.0	26.5	23.1	20.5	19.7
57.5°	4389.6	2937.5	107.9	59.1	42.8	31.7	26.5	23.1	21.4	18.0	17.1
60°	4562.6	2850.2	83.9	49.7	36.8	27.4	23.1	20.5	18.0	15.4	14.6
62.5°	4654.2	2728.6	64.2	39.4	30.0	24.0	20.5	18.0	15.4	12.8	12.0
65°	4530.0	2512.9	50.5	30.8	23.1	20.5	17.1	14.6	12.0	9.4	8.6
67.5°	3979.5	2119.0	39.4	24.8	18.0	15.4	14.6	12.0	8.6	6.8	6.0
70°	2812.5	1451.2	30.8	18.8	13.7	12.0	11.1	9.4	6.8	5.1	4.3
72.5°	1543.7	732.0	22.3	13.7	10.3	9.4	8.6	7.7	6.0	4.3	4.3
75°	594.2	201.2	16.3	9.4	6.8	6.8	6.0	6.0	5.1	3.4	3.4
77.5°	155.0	59.9	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	6.8	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)