

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: P633328

Luminaire Tested: GWS-SA2E-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633328
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-SA2E-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10712 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

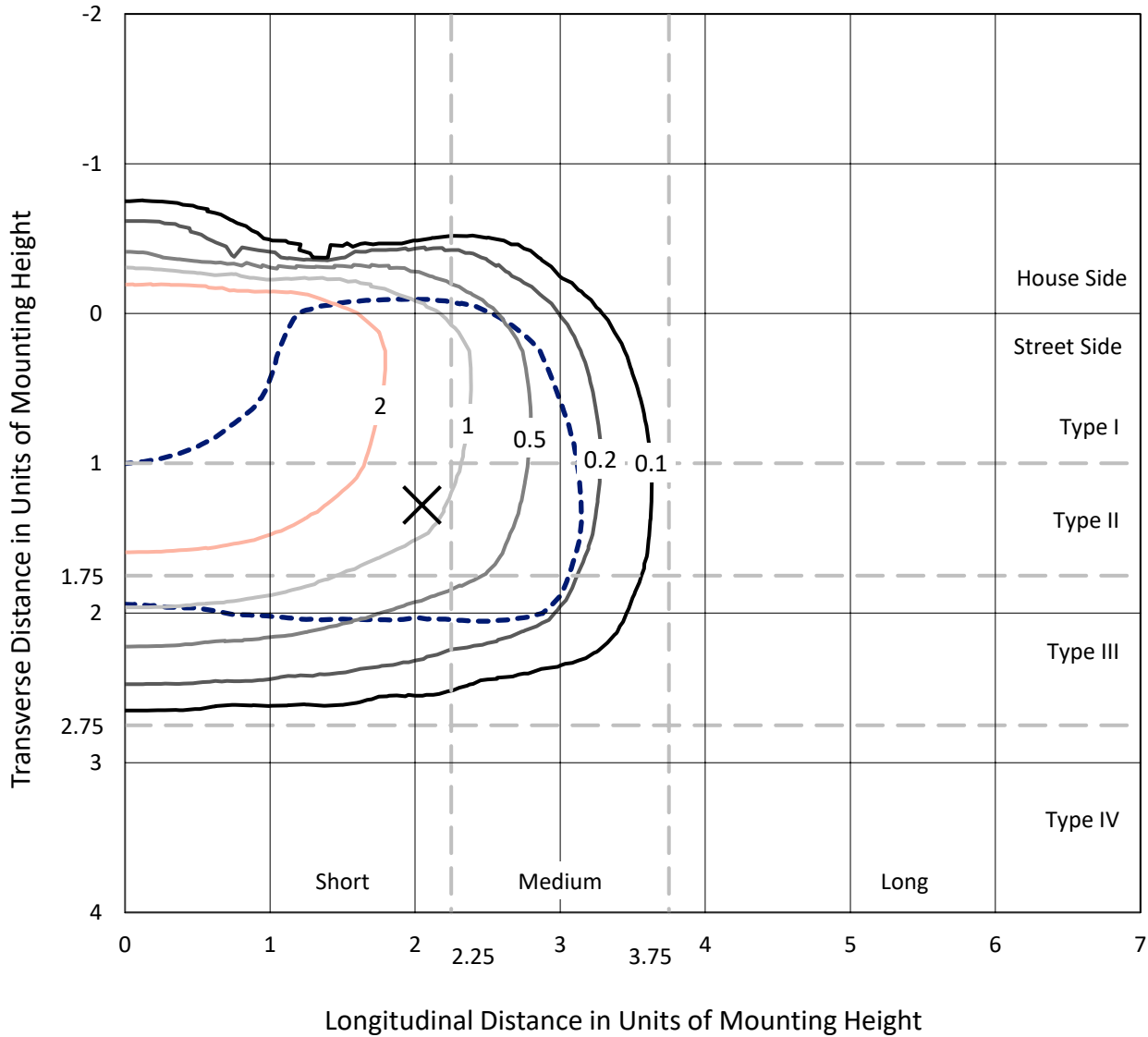
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633328
 CATALOG NUMBER: GWS-SA2E-740-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

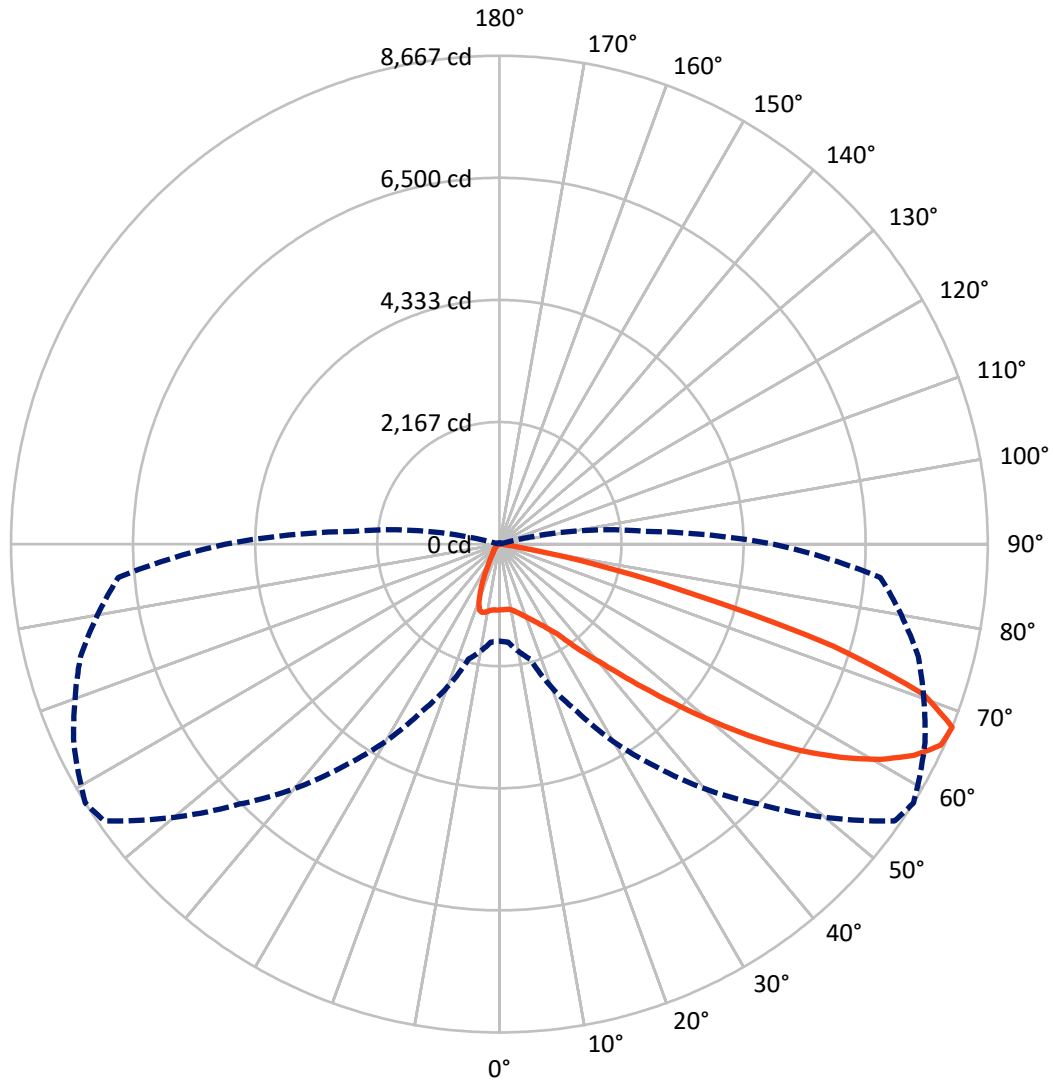
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

REPORT NUMBER: P633328
CATALOG NUMBER: GWS-SA2E-740-U-T3-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633328

CATALOG NUMBER: GWS-SA2E-740-U-T3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1168.6	0.0	1168.6
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	9543.3	0.0	9543.3
	% Fixture	89.1	0.0	89.1
Total	Lumens	10712.0	0.0	10712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.7	1.0
10°-20°	307.9	2.9
20°-30°	537.4	5.0
30°-40°	959.7	9.0
40°-50°	1754.2	16.4
50°-60°	2917.4	27.2
60°-70°	3168.8	29.6
70°-80°	930.4	8.7
80°-90°	26.5	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°	10712.0	100.0
0°-180°	10712.0	100.0

Coefficient of Utilization



REPORT NUMBER: P633328

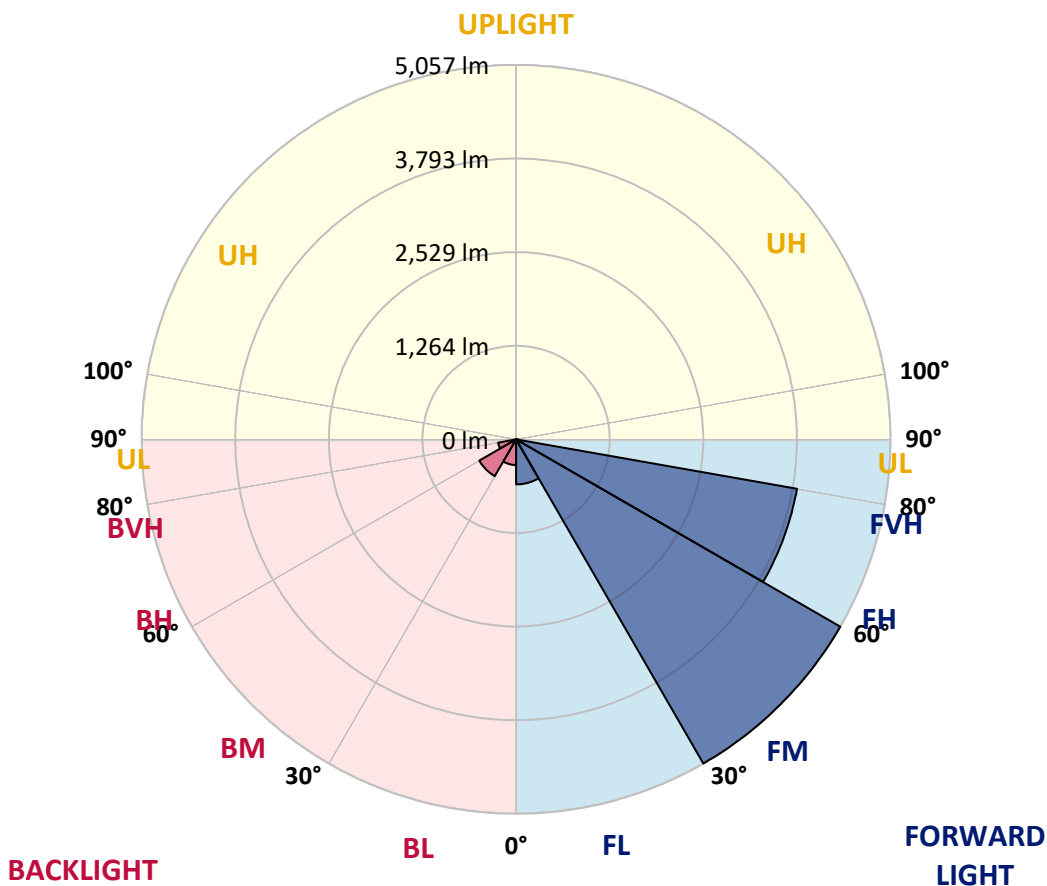
CATALOG NUMBER: GWS-SA2E-740-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	608.3	5.7			
FM (30°-60°)	5057.4	47.2			
FH (60°-80°)	3852.5	36.0			G2/5000
FVH (80°-90°)	25.2	0.2			G1/100
BL (0°-30°)	346.7	3.2	B1/500		
BM (30°-60°)	574.0	5.4	B1/1000		
BH (60°-80°)	246.7	2.3	B1/500		G1/500
BVH (80°-90°)	1.3	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





REPORT NUMBER: P633328

CATALOG NUMBER: GWS-SA2E-740-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3
2.5°	1145.3	1143.2	1143.2	1151.6	1152.6	1156.8	1166.2	1167.3	1172.5	1170.4	1163.1
5°	1085.7	1086.7	1093.0	1107.7	1120.2	1135.9	1158.9	1164.2	1175.7	1181.9	1177.7
7.5°	1030.3	1031.3	1040.7	1063.7	1087.8	1119.2	1156.8	1167.3	1190.3	1207.0	1208.1
10°	1009.3	1008.3	1017.7	1043.9	1075.2	1119.2	1173.6	1187.2	1221.7	1251.0	1256.2
12.5°	1015.6	1014.6	1024.0	1048.0	1082.6	1138.0	1202.9	1221.7	1265.6	1310.6	1320.0
15°	1040.7	1039.7	1046.0	1065.8	1103.5	1161.0	1240.5	1268.7	1324.2	1378.6	1393.2
17.5°	1116.0	1110.8	1104.5	1106.6	1128.6	1188.2	1288.6	1323.1	1392.2	1457.0	1469.6
20°	1249.9	1236.3	1219.6	1197.6	1187.2	1228.0	1344.1	1383.8	1467.5	1541.7	1543.8
22.5°	1451.8	1446.6	1407.9	1344.1	1299.1	1300.1	1408.9	1454.9	1557.4	1639.0	1627.5
25°	1733.2	1730.0	1670.4	1565.8	1448.7	1408.9	1491.5	1538.6	1664.1	1750.9	1714.3
27.5°	2082.5	2060.5	1990.5	1849.3	1674.6	1550.1	1596.1	1638.0	1777.1	1858.7	1789.6
30°	2386.9	2387.9	2322.0	2174.5	1977.9	1762.4	1723.7	1760.3	1880.6	1966.4	1882.7
32.5°	2679.7	2689.2	2617.0	2484.1	2268.7	2039.6	1906.8	1913.1	2013.5	2106.6	2005.1
35°	2951.7	2959.0	2908.8	2795.8	2595.0	2329.3	2162.0	2158.9	2213.2	2308.4	2175.6
37.5°	3256.1	3263.4	3214.2	3112.8	2924.5	2660.9	2451.7	2447.5	2469.5	2546.9	2395.2
40°	3580.3	3593.9	3539.5	3453.7	3273.8	3051.1	2788.5	2750.9	2728.9	2819.9	2679.7
42.5°	3908.7	3929.7	3910.8	3825.1	3671.3	3487.2	3225.7	3167.2	3120.1	3234.1	3085.6
45°	4316.7	4341.8	4333.4	4267.5	4148.3	3998.7	3751.8	3683.9	3661.9	3767.5	3590.8
47.5°	4708.9	4736.1	4766.4	4751.8	4667.1	4598.0	4324.0	4285.3	4279.0	4392.0	4117.9
50°	5000.7	5025.8	5141.9	5225.6	5283.1	5268.5	5031.1	4973.5	4964.1	5036.3	4674.4
52.5°	5209.9	5234.0	5394.0	5655.5	5866.8	5981.8	5742.3	5729.8	5678.5	5653.4	5195.3
55°	5372.0	5405.5	5573.9	5969.3	6395.0	6650.2	6500.6	6455.6	6323.9	6179.5	5678.5
57.5°	5404.5	5418.1	5655.5	6188.9	6805.0	7218.1	7218.1	7139.7	6885.5	6685.8	6237.0
60°	5113.7	5155.5	5476.6	6171.1	6980.7	7589.5	7813.3	7758.9	7415.8	7170.0	6774.7
62.5°	4468.3	4515.4	4906.6	5745.4	6805.0	7665.8	8264.1	8255.7	7868.7	7570.6	7220.2
65°	3426.6	3461.1	3802.1	4806.2	6062.4	7371.9	8586.3	8609.3	8226.5	7835.3	7374.0
67.5°	1721.6	1745.7	2113.9	3283.3	4805.1	6525.7	8564.3	8666.8	8335.2	7695.1	6787.2
70°	601.4	625.5	799.1	1408.9	2924.5	4982.9	7823.8	7991.1	7696.2	6568.6	5007.0
72.5°	206.1	217.6	331.6	523.0	1138.0	2953.8	5949.4	6201.5	5673.3	4409.8	2877.4
75°	117.1	124.5	177.8	283.5	477.0	971.7	3375.3	3530.1	3307.3	2403.6	1184.0
77.5°	79.5	85.8	110.9	161.1	263.6	312.7	1376.5	1733.2	1511.4	784.5	302.3
80°	47.1	51.3	68.0	95.2	134.9	121.3	295.0	392.2	505.2	234.3	91.0
82.5°	22.0	25.1	43.9	62.8	68.0	51.3	86.8	105.6	142.3	115.1	37.7
85°	0.0	0.0	14.6	26.1	25.1	14.6	24.1	26.1	38.7	57.5	14.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.0	2.1	3.1	6.3	11.5	6.3
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: P633328
 CATALOG NUMBER: GWS-SA2E-740-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3	1167.3
2.5°	1171.5	1164.2	1172.5	1168.3	1172.5	1171.5	1163.1	1157.9	1157.9	1148.5	1145.3
5°	1186.1	1178.8	1180.9	1171.5	1169.4	1164.2	1153.7	1149.5	1149.5	1140.1	1137.0
7.5°	1218.5	1207.0	1204.9	1186.1	1177.7	1163.1	1144.3	1137.0	1135.9	1126.5	1123.4
10°	1269.8	1256.2	1246.8	1222.7	1198.7	1169.4	1129.6	1096.2	1077.3	1052.2	1050.1
12.5°	1332.5	1315.8	1301.2	1264.6	1224.8	1158.9	1041.8	919.4	844.1	784.5	788.7
15°	1402.6	1386.9	1363.9	1308.5	1226.9	1055.4	810.6	622.3	530.3	481.1	479.0
17.5°	1479.0	1456.0	1418.3	1343.0	1161.0	806.4	527.2	372.4	324.2	307.5	303.3
20°	1550.1	1521.9	1474.8	1350.3	970.6	546.0	329.5	288.7	280.3	275.1	275.1
22.5°	1625.4	1589.9	1519.8	1293.8	721.7	349.3	280.3	270.9	264.6	257.3	256.3
25°	1701.8	1655.7	1560.6	1146.4	472.8	275.1	262.5	252.1	240.6	229.1	225.9
27.5°	1766.6	1707.0	1591.9	926.7	303.3	247.9	239.5	221.7	206.1	193.5	191.4
30°	1844.0	1767.7	1605.5	677.8	238.5	218.6	206.1	187.2	168.4	155.8	151.7
32.5°	1947.6	1863.9	1584.6	441.4	211.3	192.5	172.6	150.6	131.8	118.2	116.1
35°	2108.6	2009.3	1488.4	281.4	191.4	166.3	142.3	119.2	103.5	93.1	91.0
37.5°	2305.3	2213.2	1330.5	211.3	171.5	144.3	116.1	94.1	82.6	75.3	73.2
40°	2597.1	2468.5	1134.9	185.1	151.7	122.4	95.2	77.4	69.0	62.8	60.7
42.5°	2975.7	2769.7	910.0	168.4	132.8	102.5	77.4	63.8	56.5	52.3	51.3
45°	3418.2	3063.6	672.6	151.7	115.1	84.7	63.8	52.3	47.1	43.9	42.9
47.5°	3871.1	3320.9	464.4	133.9	98.3	70.1	53.3	45.0	40.8	36.6	35.6
50°	4354.3	3538.5	316.9	116.1	83.7	57.5	46.0	40.8	35.6	32.4	31.4
52.5°	4708.9	3619.0	220.7	100.4	71.1	49.2	40.8	36.6	32.4	28.2	27.2
55°	5036.3	3616.9	167.4	84.7	60.7	42.9	36.6	32.4	28.2	25.1	24.1
57.5°	5362.6	3588.7	131.8	72.2	52.3	38.7	32.4	28.2	26.1	22.0	20.9
60°	5573.9	3482.0	102.5	60.7	45.0	33.5	28.2	25.1	22.0	18.8	17.8
62.5°	5685.8	3333.5	78.4	48.1	36.6	29.3	25.1	22.0	18.8	15.7	14.6
65°	5534.2	3069.9	61.7	37.7	28.2	25.1	20.9	17.8	14.6	11.5	10.5
67.5°	4861.6	2588.7	48.1	30.3	22.0	18.8	17.8	14.6	10.5	8.4	7.3
70°	3436.0	1772.9	37.7	23.0	16.7	14.6	13.6	11.5	8.4	6.3	5.2
72.5°	1885.9	894.3	27.2	16.7	12.6	11.5	10.5	9.4	7.3	5.2	5.2
75°	725.9	245.8	19.9	11.5	8.4	8.4	7.3	7.3	6.3	4.2	4.2
77.5°	189.3	73.2	12.6	7.3	5.2	5.2	5.2	4.2	4.2	3.1	3.1
80°	60.7	24.1	7.3	5.2	4.2	3.1	3.1	2.1	3.1	2.1	2.1
82.5°	19.9	8.4	4.2	4.2	3.1	2.1	2.1	1.0	1.0	0.0	0.0
85°	7.3	4.2	3.1	2.1	2.1	2.1	1.0	0.0	0.0	0.0	0.0
87.5°	4.2	2.1	2.1	2.1	2.1	1.0	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)