

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: P635583

Luminaire Tested: GWS-SA3E-722-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635583  
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-SA3E-722-U-T3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

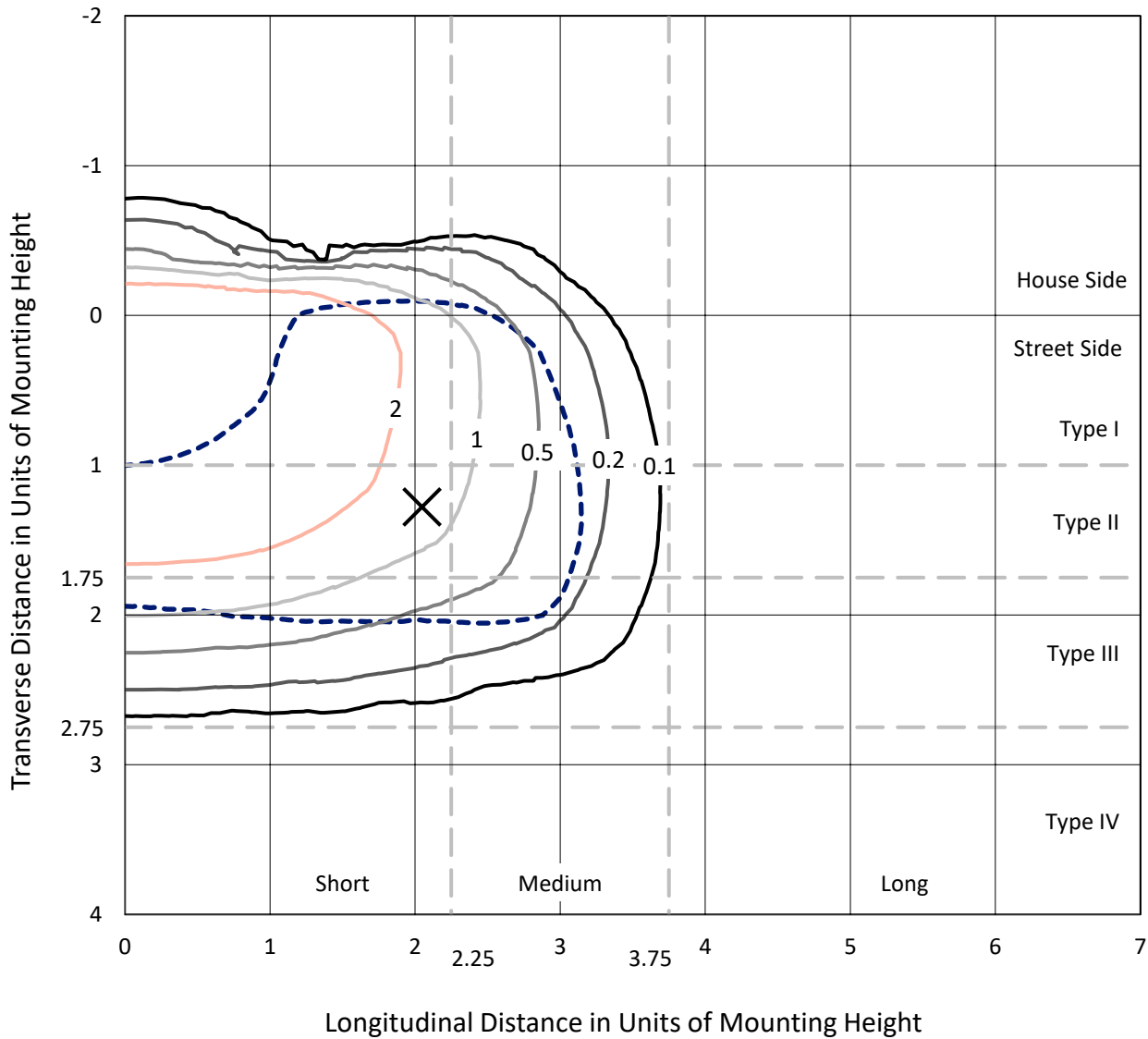
Lumens per Lamp: N/A  
Luminaire Lumens: 11892.4 lumens  
Efficiency: N/A  
Efficacy: 74.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

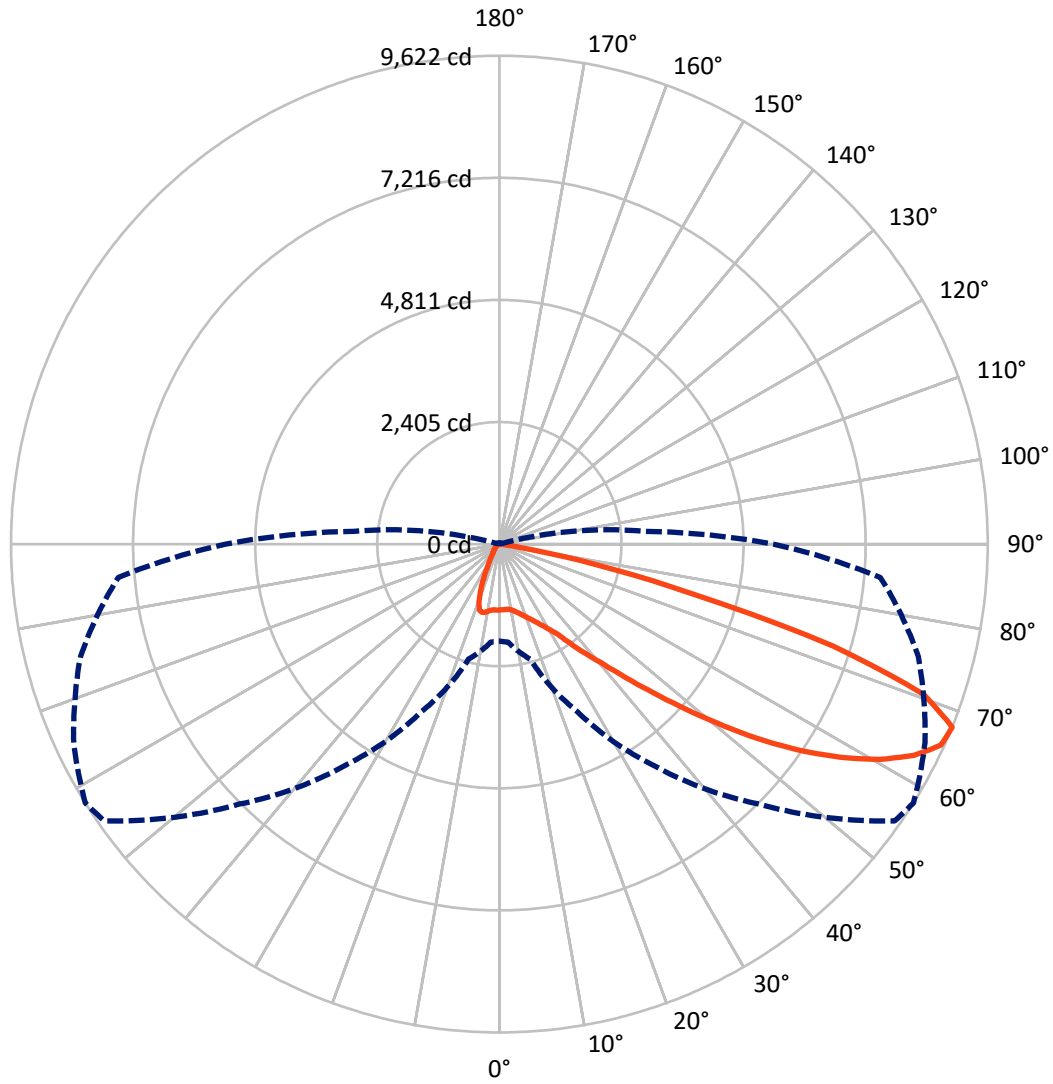
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 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
<b>House Side</b>	Lumens	1297.4	0.0	1297.4
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	10595.0	0.0	10595.0
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	11892.4	0.0	11892.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.7	1.0
10°-20°	341.8	2.9
20°-30°	596.6	5.0
30°-40°	1065.5	9.0
40°-50°	1947.5	16.4
50°-60°	3238.9	27.2
60°-70°	3518.0	29.6
70°-80°	1032.9	8.7
80°-90°	29.4	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°	11892.4	100.0
0°-180°	11892.4	100.0

**Coefficient of Utilization**



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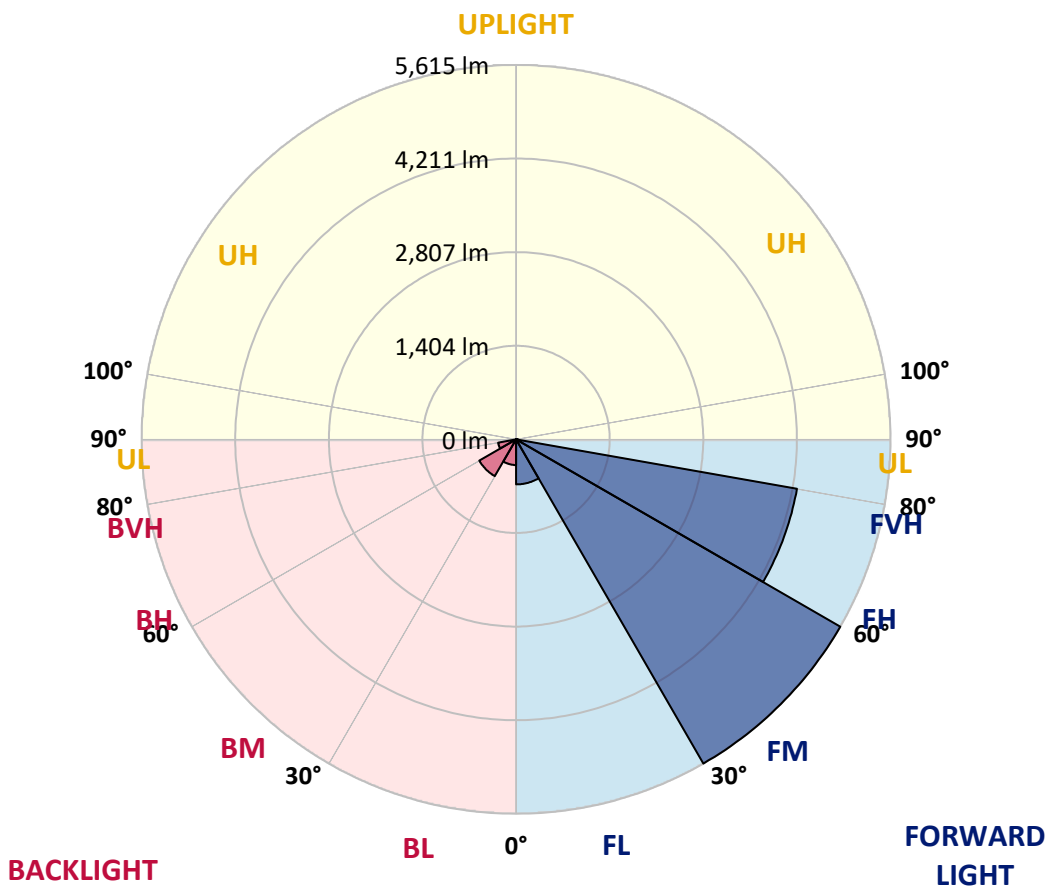
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	675.3	5.7			
FM (30°-60°)	5614.7	47.2			
FH (60°-80°)	4277.1	36.0			G2/5000
FVH (80°-90°)	28.0	0.2			G1/100
BL (0°-30°)	384.9	3.2	B1/500		
BM (30°-60°)	637.3	5.4	B1/1000		
BH (60°-80°)	273.9	2.3	B1/500		G1/500
BVH (80°-90°)	1.4	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°	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9
2.5°	1271.5	1269.2	1269.2	1278.5	1279.7	1284.3	1294.8	1295.9	1301.7	1299.4	1291.3
5°	1205.3	1206.5	1213.5	1229.7	1243.7	1261.1	1286.6	1292.4	1305.2	1312.2	1307.5
7.5°	1143.8	1145.0	1155.4	1181.0	1207.7	1242.5	1284.3	1295.9	1321.5	1340.0	1341.2
10°	1120.6	1119.4	1129.9	1158.9	1193.7	1242.5	1302.9	1318.0	1356.3	1388.8	1394.6
12.5°	1127.5	1126.4	1136.8	1163.5	1201.9	1263.4	1335.4	1356.3	1405.1	1455.0	1465.5
15°	1155.4	1154.2	1161.2	1183.3	1225.1	1288.9	1377.2	1408.6	1470.1	1530.5	1546.7
17.5°	1239.0	1233.2	1226.2	1228.6	1253.0	1319.1	1430.6	1468.9	1545.6	1617.6	1631.5
20°	1387.7	1372.6	1354.0	1329.6	1318.0	1363.3	1492.2	1536.3	1629.2	1711.6	1714.0
22.5°	1611.8	1606.0	1563.0	1492.2	1442.2	1443.4	1564.2	1615.3	1729.0	1819.6	1806.9
25°	1924.1	1920.7	1854.5	1738.3	1608.3	1564.2	1655.9	1708.1	1847.5	1943.9	1903.2
27.5°	2312.0	2287.6	2209.8	2053.0	1859.1	1720.9	1772.0	1818.5	1972.9	2063.5	1986.8
30°	2649.9	2651.1	2577.9	2414.2	2195.9	1956.6	1913.7	1954.3	2087.9	2183.1	2090.2
32.5°	2975.0	2985.5	2905.4	2757.9	2518.7	2264.4	2116.9	2123.9	2235.3	2338.7	2226.0
35°	3276.9	3285.1	3229.3	3103.9	2881.0	2586.0	2400.2	2396.7	2457.1	2562.8	2415.3
37.5°	3614.9	3623.0	3568.4	3455.8	3246.8	2954.1	2721.9	2717.2	2741.6	2827.6	2659.2
40°	3974.8	3989.9	3929.6	3834.3	3634.6	3387.3	3095.8	3054.0	3029.6	3130.6	2975.0
42.5°	4339.5	4362.7	4341.8	4246.6	4075.9	3871.5	3581.2	3516.2	3463.9	3590.5	3425.6
45°	4792.3	4820.2	4810.9	4737.8	4605.4	4439.3	4165.3	4089.8	4065.4	4182.7	3986.5
47.5°	5227.8	5258.0	5291.7	5275.4	5181.3	5104.7	4800.5	4757.5	4750.5	4875.9	4571.7
50°	5551.8	5579.6	5708.5	5801.4	5865.3	5849.0	5585.4	5521.6	5511.1	5591.3	5189.5
52.5°	5784.0	5810.7	5988.4	6278.7	6513.3	6641.0	6375.1	6361.1	6304.2	6276.4	5767.8
55°	5964.0	6001.2	6188.1	6627.1	7099.7	7383.0	7217.0	7167.0	7020.7	6860.5	6304.2
57.5°	6000.0	6015.1	6278.7	6870.9	7554.9	8013.5	8013.5	7926.5	7644.3	7422.5	6924.3
60°	5677.2	5723.6	6080.1	6851.2	7750.0	8425.8	8674.3	8613.9	8233.0	7960.1	7521.2
62.5°	4960.7	5013.0	5447.3	6378.6	7554.9	8510.5	9174.8	9165.5	8735.8	8404.9	8015.9
65°	3804.1	3842.5	4221.0	5335.8	6730.4	8184.2	9532.4	9558.0	9133.0	8698.7	8186.6
67.5°	1911.4	1938.1	2346.8	3645.1	5334.6	7244.8	9508.0	9621.8	9253.7	8543.1	7535.1
70°	667.7	694.4	887.2	1564.2	3246.8	5532.0	8685.9	8871.7	8544.2	7292.4	5558.7
72.5°	228.8	241.5	368.1	580.6	1263.4	3279.3	6605.0	6884.8	6298.4	4895.7	3194.5
75°	130.1	138.2	197.4	314.7	529.5	1078.8	3747.2	3919.1	3671.8	2668.5	1314.5
77.5°	88.3	95.2	123.1	178.8	292.6	347.2	1528.2	1924.1	1678.0	870.9	335.6
80°	52.3	56.9	75.5	105.7	149.8	134.7	327.5	435.5	560.9	260.1	101.0
82.5°	24.4	27.9	48.8	69.7	75.5	56.9	96.4	117.3	157.9	127.7	41.8
85°	0.0	0.0	16.3	29.0	27.9	16.3	26.7	29.0	43.0	63.9	16.3
87.5°	0.0	0.0	0.0	0.0	0.0	1.2	2.3	3.5	7.0	12.8	7.0
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°	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9	1295.9
2.5°	1300.6	1292.4	1301.7	1297.1	1301.7	1300.6	1291.3	1285.5	1285.5	1275.0	1271.5
5°	1316.8	1308.7	1311.0	1300.6	1298.2	1292.4	1280.8	1276.2	1276.2	1265.7	1262.2
7.5°	1352.8	1340.0	1337.7	1316.8	1307.5	1291.3	1270.4	1262.2	1261.1	1250.6	1247.1
10°	1409.7	1394.6	1384.2	1357.5	1330.8	1298.2	1254.1	1217.0	1196.1	1168.2	1165.9
12.5°	1479.4	1460.8	1444.6	1403.9	1359.8	1286.6	1156.6	1020.7	937.1	870.9	875.6
15°	1557.2	1539.8	1514.2	1452.7	1362.1	1171.7	899.9	690.9	588.7	534.2	531.8
17.5°	1642.0	1616.4	1574.6	1491.0	1288.9	895.3	585.3	413.4	360.0	341.4	336.8
20°	1720.9	1689.6	1637.3	1499.1	1077.6	606.2	365.8	320.5	311.2	305.4	305.4
22.5°	1804.5	1765.0	1687.2	1436.4	801.2	387.8	311.2	300.8	293.8	285.7	284.5
25°	1889.3	1838.2	1732.5	1272.7	524.9	305.4	291.5	279.9	267.1	254.3	250.8
27.5°	1961.3	1895.1	1767.4	1028.8	336.8	275.2	265.9	246.2	228.8	214.8	212.5
30°	2047.2	1962.5	1782.5	752.5	264.8	242.7	228.8	207.9	187.0	173.0	168.4
32.5°	2162.2	2069.3	1759.2	490.0	234.6	213.7	191.6	167.2	146.3	131.2	128.9
35°	2341.0	2230.7	1652.4	312.4	212.5	184.6	157.9	132.4	115.0	103.3	101.0
37.5°	2559.3	2457.1	1477.1	234.6	190.4	160.2	128.9	104.5	91.7	83.6	81.3
40°	2883.3	2740.5	1259.9	205.5	168.4	135.9	105.7	85.9	76.6	69.7	67.4
42.5°	3303.7	3074.9	1010.3	187.0	147.5	113.8	85.9	70.8	62.7	58.1	56.9
45°	3794.9	3401.2	746.7	168.4	127.7	94.1	70.8	58.1	52.3	48.8	47.6
47.5°	4297.7	3686.9	515.6	148.6	109.2	77.8	59.2	49.9	45.3	40.6	39.5
50°	4834.1	3928.4	351.8	128.9	92.9	63.9	51.1	45.3	39.5	36.0	34.8
52.5°	5227.8	4017.8	245.0	111.5	79.0	54.6	45.3	40.6	36.0	31.4	30.2
55°	5591.3	4015.5	185.8	94.1	67.4	47.6	40.6	36.0	31.4	27.9	26.7
57.5°	5953.6	3984.1	146.3	80.1	58.1	43.0	36.0	31.4	29.0	24.4	23.2
60°	6188.1	3865.7	113.8	67.4	49.9	37.2	31.4	27.9	24.4	20.9	19.7
62.5°	6312.4	3700.8	87.1	53.4	40.6	32.5	27.9	24.4	20.9	17.4	16.3
65°	6144.0	3408.2	68.5	41.8	31.4	27.9	23.2	19.7	16.3	12.8	11.6
67.5°	5397.3	2874.0	53.4	33.7	24.4	20.9	19.7	16.3	11.6	9.3	8.1
70°	3814.6	1968.3	41.8	25.5	18.6	16.3	15.1	12.8	9.3	7.0	5.8
72.5°	2093.7	992.8	30.2	18.6	13.9	12.8	11.6	10.5	8.1	5.8	5.8
75°	805.9	272.9	22.1	12.8	9.3	9.3	8.1	8.1	7.0	4.6	4.6
77.5°	210.2	81.3	13.9	8.1	5.8	5.8	5.8	4.6	4.6	3.5	3.5
80°	67.4	26.7	8.1	5.8	4.6	3.5	3.5	2.3	3.5	2.3	2.3
82.5°	22.1	9.3	4.6	4.6	3.5	2.3	2.3	1.2	1.2	0.0	0.0
85°	8.1	4.6	3.5	2.3	2.3	2.3	1.2	0.0	0.0	0.0	0.0
87.5°	4.6	2.3	2.3	2.3	2.3	1.2	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)