

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: P639370

Luminaire Tested: GWS-SA5B-760-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-760-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13418.5 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

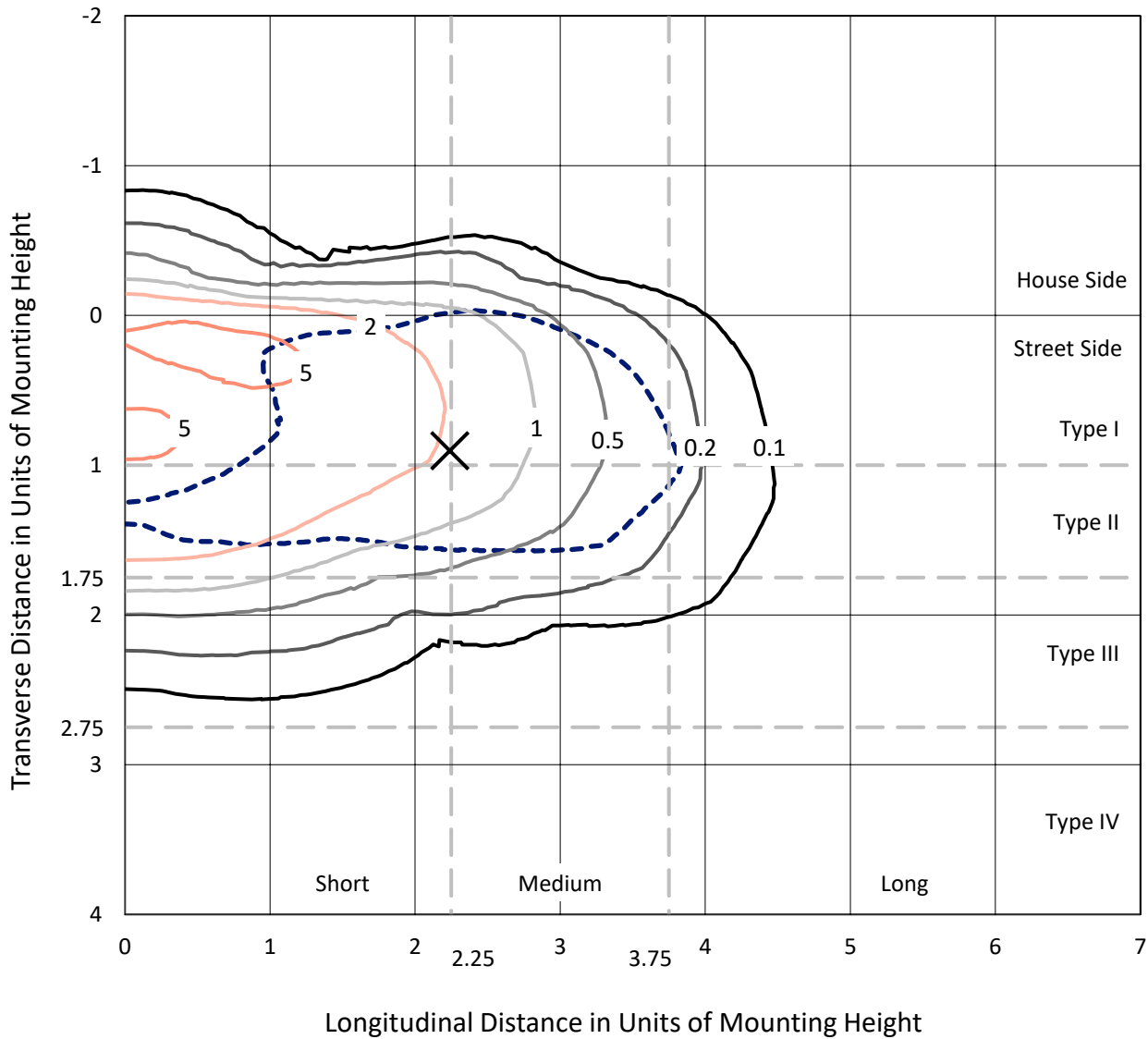
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639370
 CATALOG NUMBER: GWS-SA5B-760-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

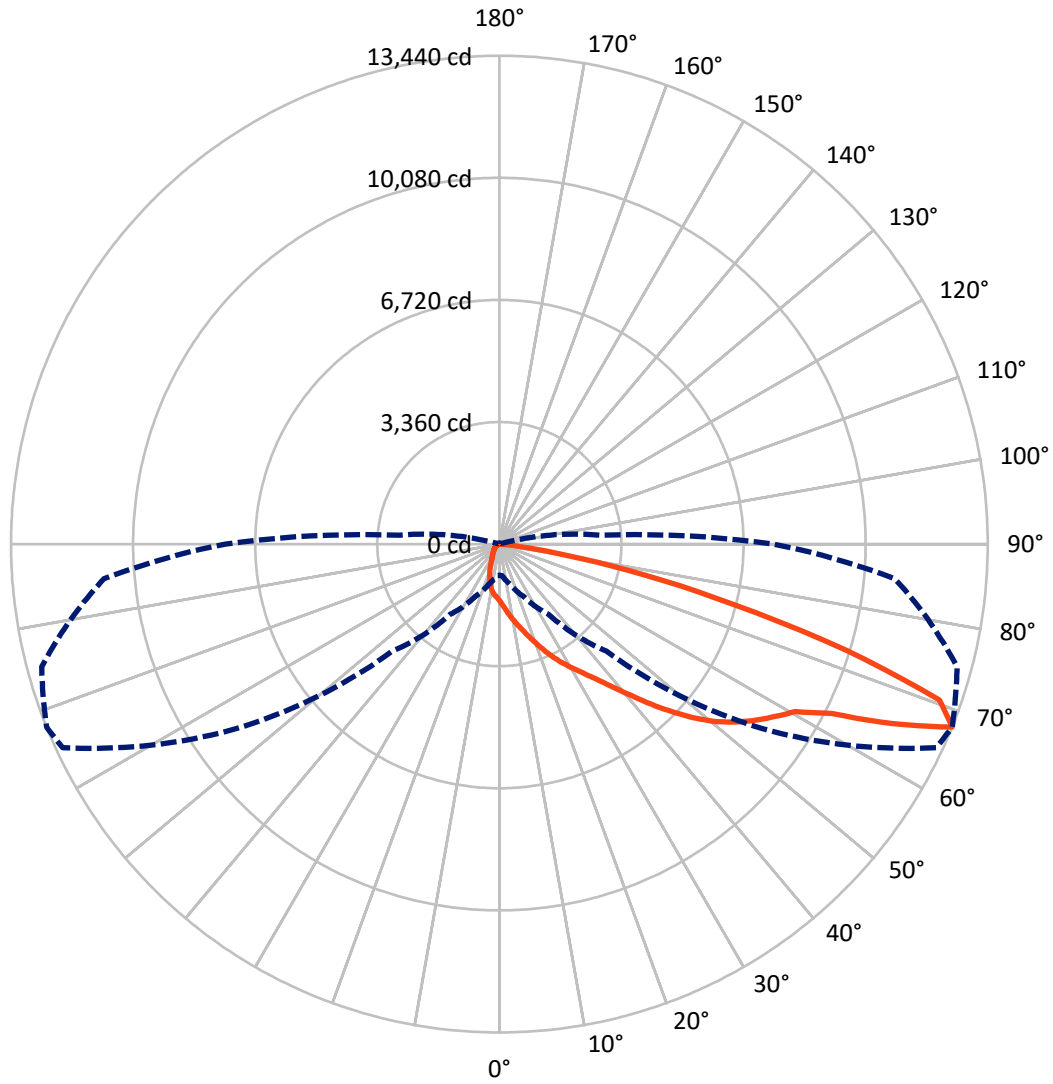
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

REPORT NUMBER: P639370
CATALOG NUMBER: GWS-SA5B-760-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P639370

CATALOG NUMBER: GWS-SA5B-760-U-T2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	969.0	0.0	969.0
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	12449.5	0.0	12449.5
	% Fixture	92.8	0.0	92.8
Total	Lumens	13418.5	0.0	13418.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	1.1
10°-20°	437.4	3.3
20°-30°	751.6	5.6
30°-40°	1306.8	9.7
40°-50°	2280.2	17.0
50°-60°	3439.1	25.6
60°-70°	3448.5	25.7
70°-80°	1521.5	11.3
80°-90°	81.3	0.6
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°	13418.5	100.0
0°-180°	13418.5	100.0

Coefficient of Utilization



REPORT NUMBER: P639370

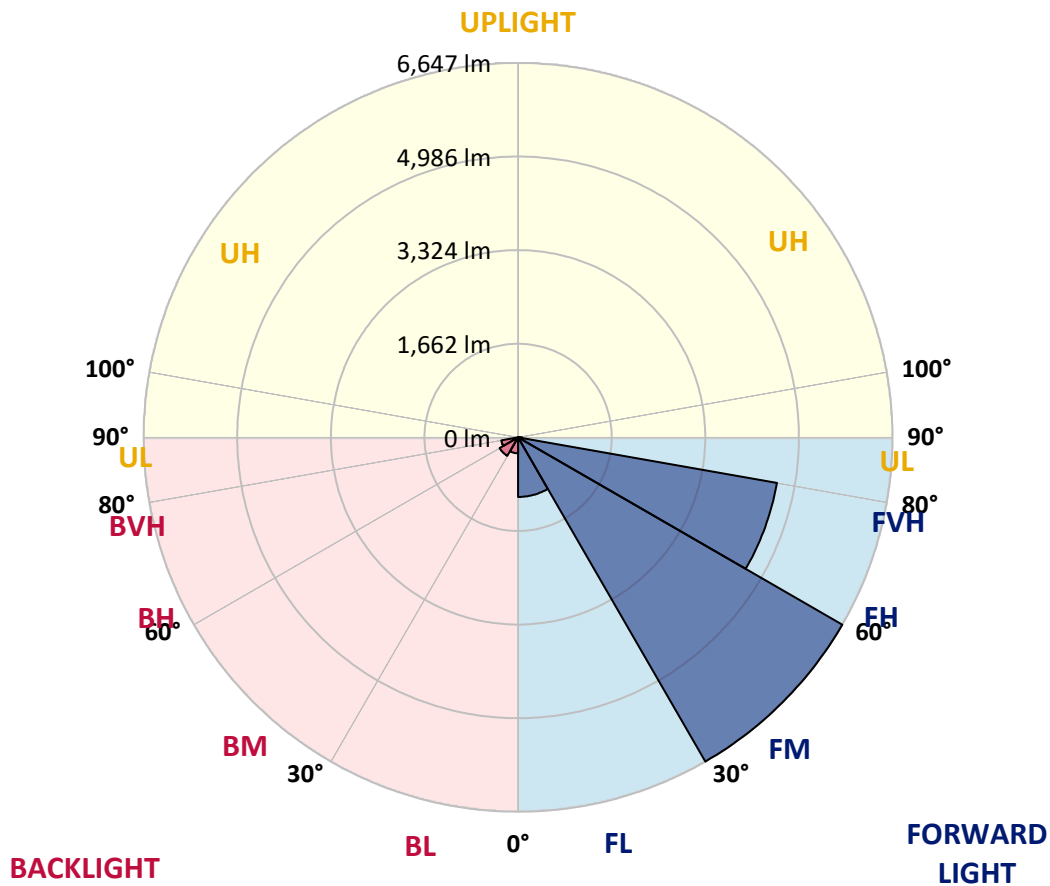
CATALOG NUMBER: GWS-SA5B-760-U-T2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1057.8	7.9			
FM (30°-60°)	6647.5	49.5			
FH (60°-80°)	4667.6	34.8			G2/5000
FVH (80°-90°)	76.7	0.6			G1/100
BL (0°-30°)	283.5	2.1	B1/500		
BM (30°-60°)	378.5	2.8	B1/1000		
BH (60°-80°)	302.4	2.3	B1/500		G1/500
BVH (80°-90°)	4.6	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 II Short





REPORT NUMBER: P639370

CATALOG NUMBER: GWS-SA5B-760-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6
2.5°	1818.4	1830.0	1818.4	1821.0	1787.6	1772.2	1738.8	1692.6	1681.0	1651.5	1606.5
5°	2040.6	2050.8	2039.3	2036.7	1998.2	1969.9	1914.7	1835.1	1812.0	1754.2	1665.6
7.5°	2161.3	2167.7	2171.6	2178.0	2163.9	2140.7	2090.7	1991.8	1967.4	1873.6	1749.1
10°	2174.1	2179.3	2198.5	2237.1	2265.3	2279.4	2251.2	2160.0	2121.5	2030.3	1851.8
12.5°	2138.2	2145.9	2176.7	2240.9	2319.2	2391.2	2409.1	2329.5	2294.8	2178.0	1972.5
15°	2090.7	2097.1	2139.5	2226.8	2344.9	2477.2	2551.7	2517.0	2478.5	2356.5	2106.1
17.5°	2017.5	2026.4	2085.5	2203.7	2356.5	2545.3	2705.8	2717.3	2690.4	2558.1	2253.7
20°	1976.4	1982.8	2035.4	2157.4	2348.8	2595.3	2849.6	2958.8	2929.2	2790.5	2423.3
22.5°	2011.0	2016.2	2050.8	2145.9	2323.1	2623.6	2983.2	3200.2	3183.5	3039.7	2601.8
25°	2193.4	2210.1	2189.5	2206.2	2334.7	2639.0	3091.0	3441.6	3445.5	3300.4	2786.7
27.5°	2563.2	2541.4	2492.6	2409.1	2424.5	2680.1	3183.5	3668.9	3702.3	3554.6	2951.1
30°	2939.5	2926.7	2897.1	2767.4	2659.6	2771.3	3261.8	3901.4	3954.0	3805.0	3097.5
32.5°	3362.0	3374.8	3322.2	3166.8	2983.2	2956.2	3342.7	4122.2	4221.1	4088.9	3269.5
35°	3866.7	3870.5	3766.5	3594.4	3386.4	3261.8	3487.9	4366.2	4548.6	4451.0	3499.4
37.5°	4358.5	4381.6	4325.1	4054.2	3869.3	3642.0	3728.0	4679.6	4936.4	4897.9	3788.4
40°	4793.9	4829.8	4811.9	4549.9	4307.2	4115.8	4100.4	5046.9	5405.1	5448.8	4169.8
42.5°	5140.6	5163.7	5177.8	4991.6	4777.2	4669.3	4560.2	5473.2	5958.6	6137.1	4637.2
45°	5506.6	5514.3	5543.8	5418.0	5230.5	5239.5	5103.4	5990.7	6541.7	6899.9	5174.0
47.5°	5972.8	5998.4	5984.3	5852.0	5682.5	5784.0	5664.6	6523.7	7117.0	7714.1	5723.6
50°	6540.4	6567.3	6554.5	6400.4	6211.6	6254.0	6179.5	7041.2	7671.7	8482.1	6180.8
52.5°	6833.2	6855.0	7014.2	7083.6	6984.7	6715.0	6618.7	7610.1	8140.5	9113.9	6600.7
55°	6691.9	6707.3	7054.0	7346.8	7709.0	7439.3	7060.5	8049.3	8554.0	9607.0	6912.8
57.5°	6106.3	6189.8	6661.1	7156.8	7918.3	8154.6	7777.0	8527.0	8952.1	9949.9	7219.7
60°	4905.6	4901.7	5577.2	6467.2	7509.9	8351.1	8789.0	9173.0	9351.5	10213.1	7630.6
62.5°	2710.9	2735.3	3634.3	4806.7	6374.7	7842.5	9547.9	10288.9	10261.9	10672.9	8274.0
65°	1349.7	1398.5	1886.5	2753.3	4241.7	6481.3	9678.9	11991.7	11914.7	11755.5	9603.2
67.5°	856.6	875.8	1145.5	1600.1	2357.8	4165.9	8863.5	13261.8	13440.3	13039.6	10922.0
70°	554.8	586.9	796.2	1094.1	1422.9	2147.2	6492.9	12438.6	12848.3	12898.4	10100.1
72.5°	301.8	324.9	508.5	780.8	1027.4	1073.6	3647.1	9334.8	9993.5	10941.3	7901.6
75°	172.1	188.8	278.7	530.4	753.8	653.7	1616.8	6248.9	6668.8	7819.4	5662.0
77.5°	104.0	118.1	156.7	258.1	472.6	436.6	611.3	3803.8	4070.9	4665.5	2971.6
80°	47.5	56.5	98.9	142.5	258.1	206.8	233.7	1773.5	1831.3	1914.7	983.7
82.5°	21.8	25.7	44.9	84.8	146.4	119.4	89.9	409.7	576.6	545.8	250.4
85°	2.6	2.6	16.7	34.7	41.1	30.8	37.2	92.5	116.9	164.4	71.9
87.5°	0.0	0.0	1.3	1.3	2.6	3.9	7.7	11.6	16.7	27.0	18.0
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: P639370
 CATALOG NUMBER: GWS-SA5B-760-U-T2-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6	1561.6
2.5°	1586.0	1550.0	1517.9	1470.4	1438.3	1402.3	1377.9	1348.4	1336.8	1327.9	1315.0
5°	1621.9	1564.1	1485.8	1398.5	1326.6	1258.5	1195.6	1154.5	1118.5	1113.4	1095.4
7.5°	1681.0	1595.0	1462.7	1320.1	1198.1	1085.1	996.5	924.6	888.7	877.1	856.6
10°	1759.3	1641.2	1428.0	1209.7	1033.8	898.9	798.8	717.9	661.4	640.8	625.4
12.5°	1846.7	1683.6	1372.8	1073.6	873.2	719.1	592.0	506.0	470.0	457.2	445.6
15°	1946.8	1723.4	1285.5	937.5	716.6	529.1	439.2	402.0	386.5	382.7	378.8
17.5°	2043.1	1749.1	1181.5	796.2	550.9	410.9	368.6	354.4	350.6	346.7	344.2
20°	2152.3	1767.0	1059.5	662.6	427.6	348.0	327.5	317.2	309.5	301.8	300.5
22.5°	2264.0	1767.0	927.2	531.7	358.3	312.1	288.9	269.7	255.6	247.8	245.3
25°	2370.6	1742.6	796.2	425.1	315.9	277.4	247.8	226.0	206.8	197.8	195.2
27.5°	2446.4	1679.7	681.9	359.6	286.4	246.6	210.6	186.2	170.8	161.8	160.5
30°	2493.9	1586.0	576.6	321.0	260.7	214.5	178.5	158.0	146.4	140.0	137.4
32.5°	2529.8	1470.4	482.9	294.1	236.3	186.2	155.4	138.7	128.4	123.3	122.0
35°	2601.8	1361.2	413.5	269.7	210.6	163.1	136.1	123.3	115.6	109.2	107.9
37.5°	2701.9	1270.1	358.3	247.8	186.2	145.1	123.3	111.7	105.3	98.9	97.6
40°	2849.6	1212.3	317.2	226.0	164.4	131.0	113.0	102.7	93.7	87.3	86.0
42.5°	3076.9	1185.3	290.2	204.2	145.1	118.1	104.0	91.2	82.2	75.8	74.5
45°	3347.9	1199.4	267.1	182.4	132.3	109.2	92.5	79.6	70.6	64.2	62.9
47.5°	3638.1	1249.5	247.8	161.8	119.4	100.2	82.2	68.1	60.4	53.9	52.7
50°	3941.2	1331.7	231.2	142.5	109.2	89.9	70.6	59.1	51.4	46.2	44.9
52.5°	4204.4	1443.4	214.5	128.4	100.2	79.6	61.6	51.4	43.7	38.5	37.2
55°	4456.1	1548.7	201.6	115.6	89.9	69.3	53.9	43.7	37.2	32.1	30.8
57.5°	4729.7	1660.5	186.2	104.0	80.9	61.6	47.5	37.2	32.1	27.0	25.7
60°	5127.8	1826.1	163.1	95.0	70.6	53.9	41.1	33.4	28.3	21.8	20.5
62.5°	5701.8	2127.9	137.4	82.2	60.4	46.2	34.7	28.3	23.1	18.0	15.4
65°	6775.4	2641.6	113.0	68.1	48.8	38.5	29.5	23.1	18.0	12.8	11.6
67.5°	7548.5	2775.1	91.2	55.2	39.8	29.5	24.4	18.0	12.8	9.0	7.7
70°	6599.4	1993.1	70.6	44.9	33.4	23.1	19.3	14.1	9.0	6.4	5.1
72.5°	4972.4	1302.2	52.7	34.7	25.7	19.3	14.1	11.6	7.7	5.1	3.9
75°	3504.5	752.5	38.5	25.7	18.0	14.1	11.6	9.0	6.4	3.9	3.9
77.5°	1796.6	310.8	27.0	18.0	12.8	9.0	7.7	5.1	5.1	3.9	2.6
80°	545.8	102.7	15.4	11.6	9.0	6.4	3.9	3.9	3.9	2.6	1.3
82.5°	124.6	33.4	9.0	9.0	6.4	5.1	3.9	1.3	1.3	0.0	0.0
85°	32.1	10.3	7.7	6.4	6.4	5.1	2.6	1.3	0.0	0.0	0.0
87.5°	11.6	6.4	6.4	6.4	5.1	3.9	2.6	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)