

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: P639268

Luminaire Tested: GWS-SA5B-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639268
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-SA5B-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13035.4 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

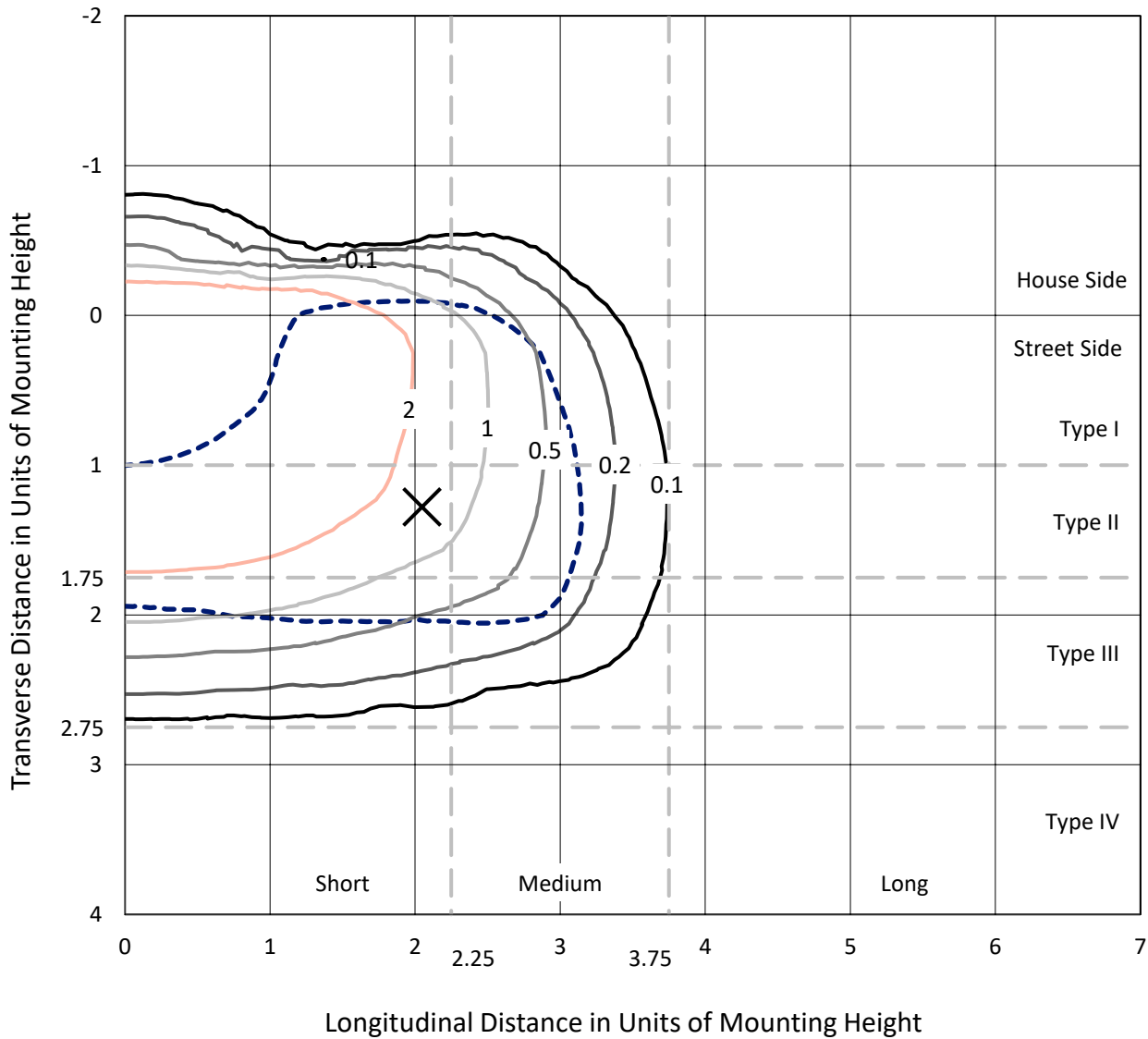
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639268
 CATALOG NUMBER: GWS-SA5B-740-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

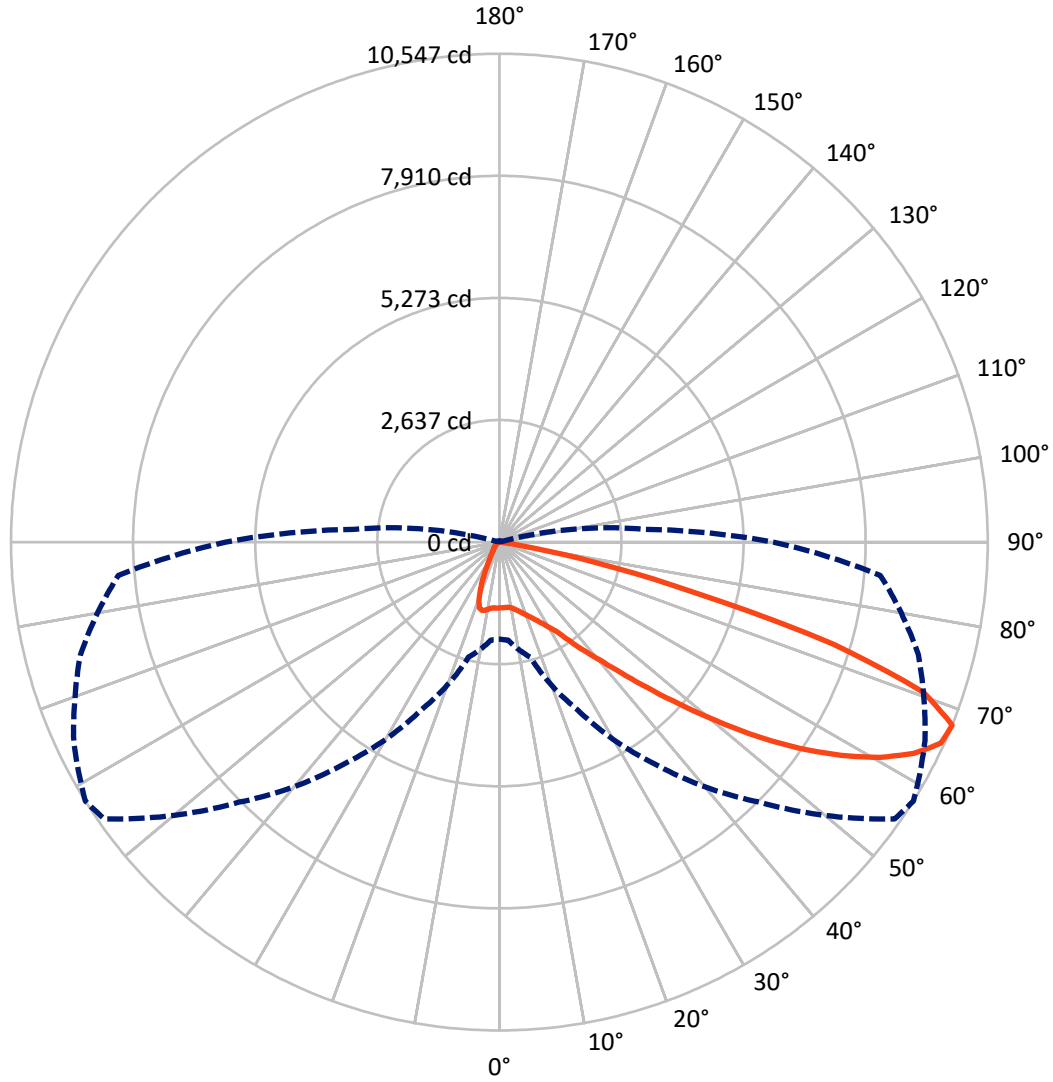
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

REPORT NUMBER: P639268
CATALOG NUMBER: GWS-SA5B-740-U-T3-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639268

CATALOG NUMBER: GWS-SA5B-740-U-T3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1422.1	0.0	1422.1
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	11613.3	0.0	11613.3
	% Fixture	89.1	0.0	89.1
Total	Lumens	13035.4	0.0	13035.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	1.0
10°-20°	374.7	2.9
20°-30°	654.0	5.0
30°-40°	1167.9	9.0
40°-50°	2134.7	16.4
50°-60°	3550.2	27.2
60°-70°	3856.1	29.6
70°-80°	1132.2	8.7
80°-90°	32.2	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°	13035.4	100.0
0°-180°	13035.4	100.0

Coefficient of Utilization



REPORT NUMBER: P639268

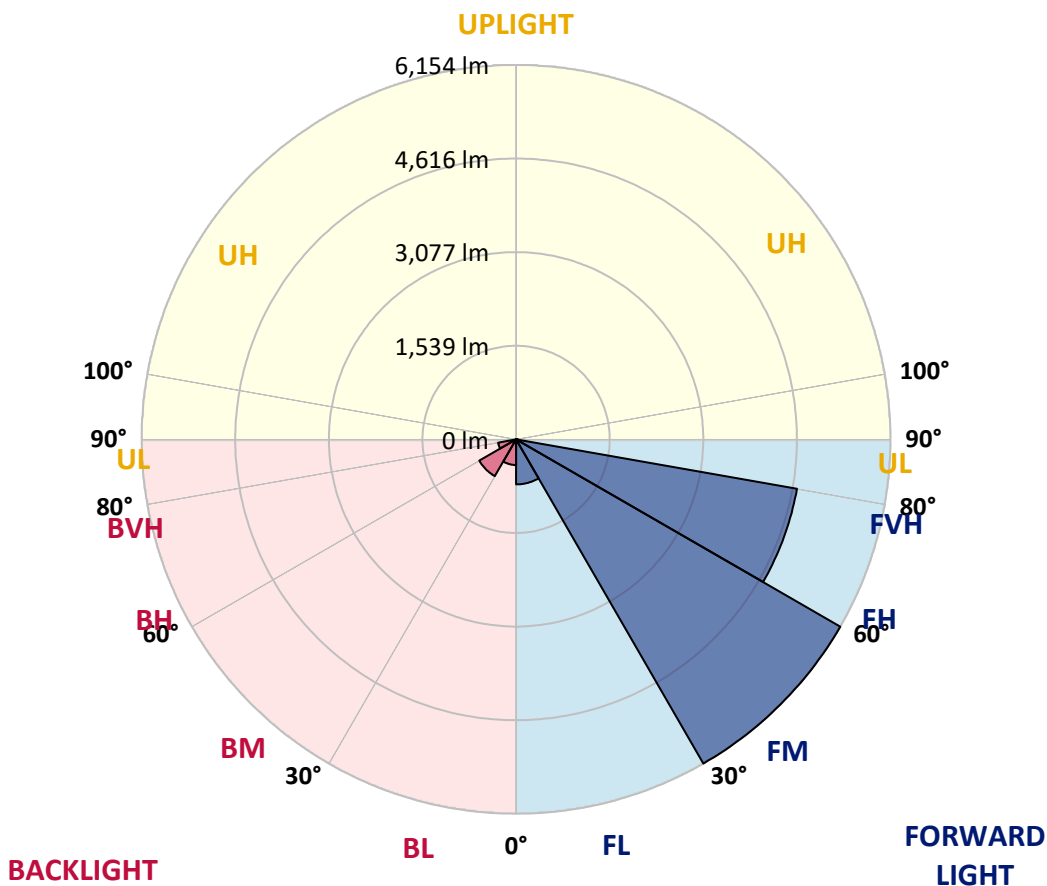
CATALOG NUMBER: GWS-SA5B-740-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.2	5.7			
FM (30°-60°)	6154.3	47.2			
FH (60°-80°)	4688.1	36.0			G2/5000
FVH (80°-90°)	30.7	0.2			G1/100
BL (0°-30°)	421.8	3.2	B1/500		
BM (30°-60°)	698.5	5.4	B1/1000		
BH (60°-80°)	300.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	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 III Short





REPORT NUMBER: P639268

CATALOG NUMBER: GWS-SA5B-740-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5
2.5°	1393.7	1391.2	1391.2	1401.4	1402.6	1407.7	1419.2	1420.5	1426.8	1424.3	1415.4
5°	1321.2	1322.5	1330.1	1347.9	1363.2	1382.3	1410.3	1416.7	1430.7	1438.3	1433.2
7.5°	1253.7	1255.0	1266.5	1294.5	1323.7	1361.9	1407.7	1420.5	1448.5	1468.8	1470.1
10°	1228.3	1227.0	1238.5	1270.3	1308.5	1361.9	1428.1	1444.7	1486.7	1522.3	1528.7
12.5°	1235.9	1234.6	1246.1	1275.4	1317.4	1384.8	1463.7	1486.7	1540.1	1594.8	1606.3
15°	1266.5	1265.2	1272.8	1297.0	1342.8	1412.8	1509.6	1543.9	1611.4	1677.6	1695.4
17.5°	1358.1	1351.7	1344.1	1346.6	1373.4	1445.9	1568.1	1610.1	1694.1	1773.0	1788.3
20°	1521.0	1504.5	1484.1	1457.4	1444.7	1494.3	1635.6	1683.9	1785.8	1876.1	1878.7
22.5°	1766.7	1760.3	1713.2	1635.6	1580.8	1582.1	1714.5	1770.5	1895.2	1994.5	1980.5
25°	2109.1	2105.2	2032.7	1905.4	1762.9	1714.5	1815.0	1872.3	2025.1	2130.7	2086.2
27.5°	2534.2	2507.5	2422.2	2250.3	2037.8	1886.3	1942.3	1993.2	2162.5	2261.8	2177.8
30°	2904.6	2905.9	2825.7	2646.2	2406.9	2144.7	2097.6	2142.2	2288.5	2392.9	2291.1
32.5°	3261.0	3272.4	3184.6	3023.0	2760.8	2482.0	2320.4	2328.0	2450.2	2563.5	2440.0
35°	3591.9	3600.8	3539.7	3402.3	3157.9	2834.6	2630.9	2627.1	2693.3	2809.1	2647.5
37.5°	3962.3	3971.2	3911.4	3787.9	3558.8	3238.1	2983.5	2978.4	3005.1	3099.3	2914.8
40°	4356.9	4373.4	4307.2	4202.9	3983.9	3712.8	3393.3	3347.5	3320.8	3431.5	3261.0
42.5°	4756.5	4782.0	4759.1	4654.7	4467.6	4243.6	3925.4	3854.1	3796.8	3935.6	3754.8
45°	5252.9	5283.5	5273.3	5193.1	5048.0	4866.0	4565.6	4482.9	4456.1	4584.7	4369.6
47.5°	5730.2	5763.3	5800.2	5782.4	5679.3	5595.3	5261.8	5214.8	5207.1	5344.6	5011.1
50°	6085.4	6115.9	6257.2	6359.0	6429.0	6411.2	6122.3	6052.3	6040.8	6128.6	5688.2
52.5°	6339.9	6369.2	6563.9	6882.1	7139.3	7279.3	6987.8	6972.5	6910.1	6879.6	6322.1
55°	6537.2	6577.9	6782.9	7264.0	7782.0	8092.6	7910.6	7855.9	7695.5	7519.8	6910.1
57.5°	6576.7	6593.2	6882.1	7531.3	8281.0	8783.7	8783.7	8688.3	8379.0	8135.9	7589.8
60°	6222.8	6273.7	6664.5	7509.6	8494.8	9235.6	9508.0	9441.8	9024.3	8725.2	8244.1
62.5°	5437.5	5494.8	5970.8	6991.6	8281.0	9328.5	10056.6	10046.4	9575.4	9212.7	8786.3
65°	4169.8	4211.8	4626.7	5848.6	7377.3	8970.8	10448.6	10476.6	10010.7	9534.7	8973.4
67.5°	2095.1	2124.3	2572.4	3995.4	5847.3	7941.1	10421.9	10546.6	10143.1	9364.2	8259.3
70°	731.9	761.1	972.4	1714.5	3558.8	6063.7	9520.7	9724.4	9365.4	7993.3	6093.0
72.5°	250.7	264.7	403.5	636.4	1384.8	3594.4	7239.8	7546.6	6903.8	5366.2	3501.5
75°	142.6	151.5	216.4	344.9	580.4	1182.5	4107.4	4295.8	4024.7	2924.9	1440.8
77.5°	96.7	104.4	134.9	196.0	320.8	380.6	1675.0	2109.1	1839.2	954.6	367.8
80°	57.3	62.4	82.7	115.8	164.2	147.6	358.9	477.3	614.8	285.1	110.7
82.5°	26.7	30.5	53.5	76.4	82.7	62.4	105.6	128.6	173.1	140.0	45.8
85°	0.0	0.0	17.8	31.8	30.5	17.8	29.3	31.8	47.1	70.0	17.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	2.5	3.8	7.6	14.0	7.6
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: P639268

CATALOG NUMBER: GWS-SA5B-740-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5	1420.5
2.5°	1425.6	1416.7	1426.8	1421.7	1426.8	1425.6	1415.4	1409.0	1409.0	1397.6	1393.7
5°	1443.4	1434.5	1437.0	1425.6	1423.0	1416.7	1403.9	1398.8	1398.8	1387.4	1383.6
7.5°	1482.8	1468.8	1466.3	1443.4	1433.2	1415.4	1392.5	1383.6	1382.3	1370.8	1367.0
10°	1545.2	1528.7	1517.2	1487.9	1458.7	1423.0	1374.6	1333.9	1311.0	1280.5	1277.9
12.5°	1621.6	1601.2	1583.4	1538.8	1490.5	1410.3	1267.7	1118.8	1027.2	954.6	959.7
15°	1706.9	1687.8	1659.8	1592.3	1493.0	1284.3	986.4	757.3	645.3	585.5	583.0
17.5°	1799.8	1771.8	1725.9	1634.3	1412.8	981.3	641.5	453.1	394.6	374.2	369.1
20°	1886.3	1852.0	1794.7	1643.2	1181.2	664.4	400.9	351.3	341.1	334.8	334.8
22.5°	1978.0	1934.7	1849.4	1574.5	878.2	425.1	341.1	329.7	322.0	313.1	311.8
25°	2070.9	2014.9	1899.1	1395.0	575.3	334.8	319.5	306.8	292.7	278.7	274.9
27.5°	2149.8	2077.2	1937.2	1127.7	369.1	301.7	291.5	269.8	250.7	235.5	232.9
30°	2244.0	2151.1	1953.8	824.8	290.2	266.0	250.7	227.8	204.9	189.7	184.6
32.5°	2370.0	2268.2	1928.3	537.1	257.1	234.2	210.0	183.3	160.4	143.8	141.3
35°	2566.0	2445.1	1811.2	342.4	232.9	202.4	173.1	145.1	126.0	113.3	110.7
37.5°	2805.3	2693.3	1619.0	257.1	208.7	175.6	141.3	114.6	100.6	91.6	89.1
40°	3160.4	3003.9	1381.0	225.3	184.6	148.9	115.8	94.2	84.0	76.4	73.8
42.5°	3621.2	3370.4	1107.4	204.9	161.6	124.7	94.2	77.6	68.7	63.6	62.4
45°	4159.6	3728.1	818.4	184.6	140.0	103.1	77.6	63.6	57.3	53.5	52.2
47.5°	4710.7	4041.2	565.1	162.9	119.6	85.3	64.9	54.7	49.6	44.5	43.3
50°	5298.8	4306.0	385.7	141.3	101.8	70.0	56.0	49.6	43.3	39.5	38.2
52.5°	5730.2	4404.0	268.6	122.2	86.6	59.8	49.6	44.5	39.5	34.4	33.1
55°	6128.6	4401.4	203.7	103.1	73.8	52.2	44.5	39.5	34.4	30.5	29.3
57.5°	6525.8	4367.1	160.4	87.8	63.6	47.1	39.5	34.4	31.8	26.7	25.5
60°	6782.9	4237.2	124.7	73.8	54.7	40.7	34.4	30.5	26.7	22.9	21.6
62.5°	6919.1	4056.5	95.5	58.5	44.5	35.6	30.5	26.7	22.9	19.1	17.8
65°	6734.5	3735.7	75.1	45.8	34.4	30.5	25.5	21.6	17.8	14.0	12.7
67.5°	5916.1	3150.2	58.5	36.9	26.7	22.9	21.6	17.8	12.7	10.2	8.9
70°	4181.2	2157.4	45.8	28.0	20.4	17.8	16.5	14.0	10.2	7.6	6.4
72.5°	2294.9	1088.3	33.1	20.4	15.3	14.0	12.7	11.5	8.9	6.4	6.4
75°	883.3	299.1	24.2	14.0	10.2	10.2	8.9	8.9	7.6	5.1	5.1
77.5°	230.4	89.1	15.3	8.9	6.4	6.4	6.4	5.1	5.1	3.8	3.8
80°	73.8	29.3	8.9	6.4	5.1	3.8	3.8	2.5	3.8	2.5	2.5
82.5°	24.2	10.2	5.1	5.1	3.8	2.5	2.5	1.3	1.3	0.0	0.0
85°	8.9	5.1	3.8	2.5	2.5	2.5	1.3	0.0	0.0	0.0	0.0
87.5°	5.1	2.5	2.5	2.5	2.5	1.3	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)