

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: P636078

Luminaire Tested: GWS-SA3F-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636078
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-SA3F-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: 13222.2 lumens
Efficiency: N/A
Efficacy: 72.2 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

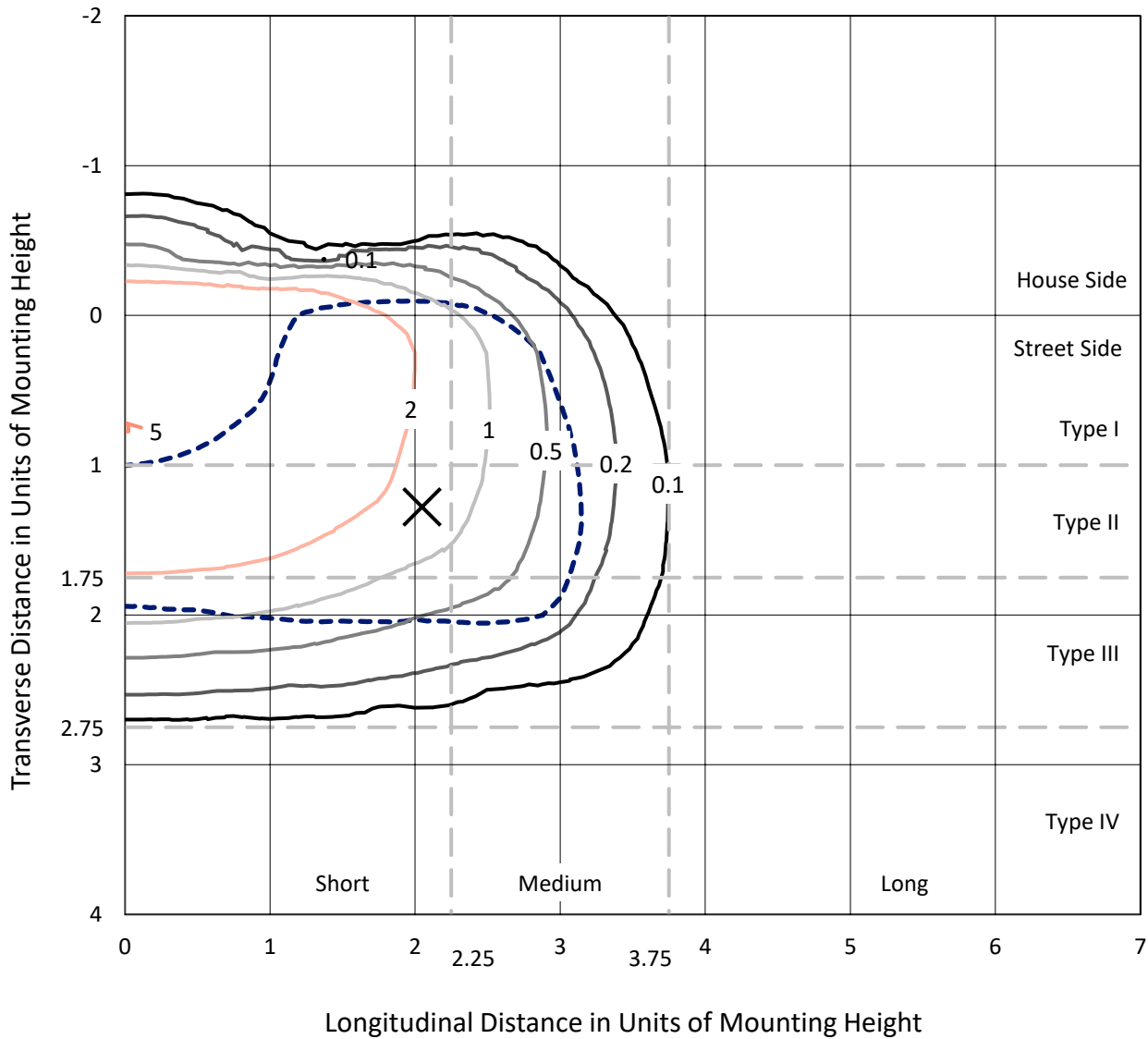
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

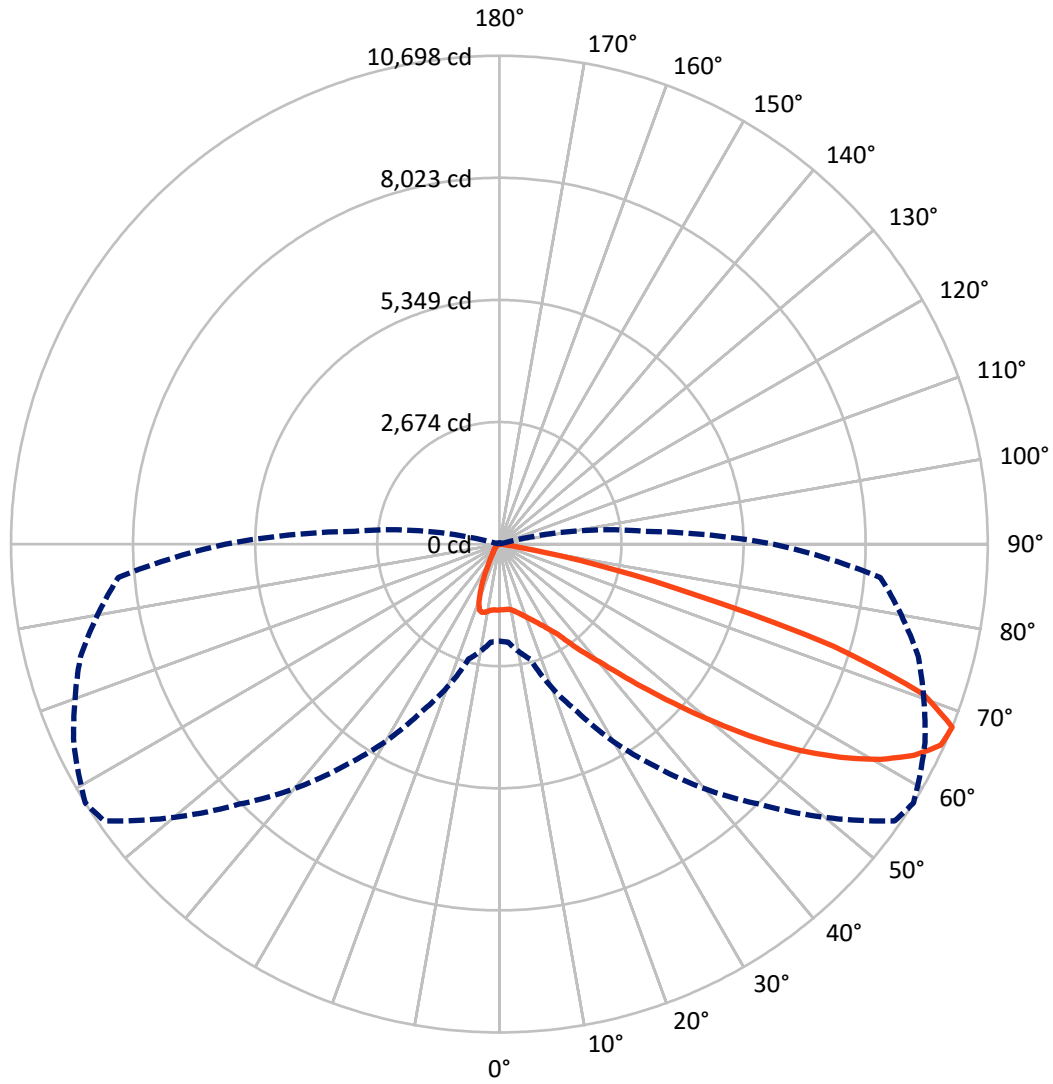
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 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
House Side	Lumens	1442.5	0.0	1442.5
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	11779.7	0.0	11779.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	13222.2	0.0	13222.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.3	1.0
10°-20°	380.0	2.9
20°-30°	663.3	5.0
30°-40°	1184.6	9.0
40°-50°	2165.3	16.4
50°-60°	3601.1	27.2
60°-70°	3911.4	29.6
70°-80°	1148.4	8.7
80°-90°	32.7	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°	13222.2	100.0
0°-180°	13222.2	100.0

Coefficient of Utilization



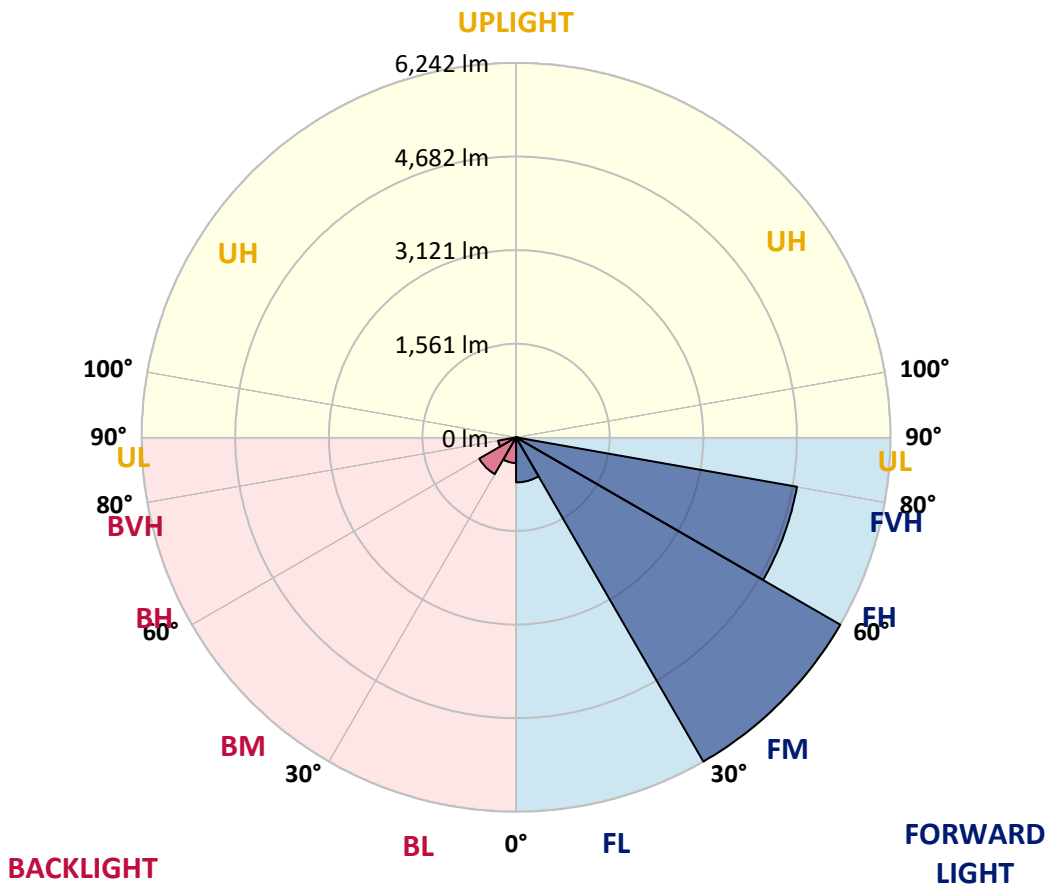
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	750.8	5.7			
FM (30°-60°)	6242.5	47.2			
FH (60°-80°)	4755.3	36.0			G2/5000
FVH (80°-90°)	31.1	0.2			G1/100
BL (0°-30°)	427.9	3.2	B1/500		
BM (30°-60°)	708.5	5.4	B1/1000		
BH (60°-80°)	304.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8
2.5°	1413.7	1411.1	1411.1	1421.5	1422.7	1427.9	1439.5	1440.8	1447.3	1444.7	1435.7
5°	1340.1	1341.4	1349.2	1367.2	1382.7	1402.1	1430.5	1437.0	1451.2	1458.9	1453.7
7.5°	1271.7	1273.0	1284.6	1313.0	1342.7	1381.4	1427.9	1440.8	1469.2	1489.9	1491.2
10°	1245.9	1244.6	1256.2	1288.5	1327.2	1381.4	1448.6	1465.4	1508.0	1544.1	1550.6
12.5°	1253.6	1252.3	1263.9	1293.6	1336.2	1404.7	1484.7	1508.0	1562.2	1617.7	1629.3
15°	1284.6	1283.3	1291.1	1315.6	1362.1	1433.1	1531.2	1566.1	1634.5	1701.6	1719.7
17.5°	1377.6	1371.1	1363.4	1365.9	1393.1	1466.6	1590.6	1633.2	1718.4	1798.4	1813.9
20°	1542.8	1526.0	1505.4	1478.3	1465.4	1515.7	1659.0	1708.1	1811.4	1903.0	1905.6
22.5°	1792.0	1785.5	1737.8	1659.0	1603.5	1604.8	1739.1	1795.9	1922.4	2023.1	2008.9
25°	2139.3	2135.4	2061.8	1932.7	1788.1	1739.1	1841.1	1899.2	2054.1	2161.2	2116.0
27.5°	2570.5	2543.4	2456.9	2282.6	2067.0	1913.4	1970.2	2021.8	2193.5	2294.2	2209.0
30°	2946.2	2947.5	2866.2	2684.1	2441.4	2175.4	2127.7	2172.9	2321.3	2427.2	2323.9
32.5°	3307.7	3319.3	3230.2	3066.3	2800.3	2517.6	2353.6	2361.4	2485.3	2600.2	2475.0
35°	3643.4	3652.4	3590.4	3451.0	3203.1	2875.2	2668.6	2664.8	2731.9	2849.4	2685.4
37.5°	4019.1	4028.1	3967.4	3842.2	3609.8	3284.5	3026.2	3021.1	3048.2	3143.7	2956.5
40°	4419.3	4436.1	4369.0	4263.1	4041.0	3766.0	3442.0	3395.5	3368.4	3480.7	3307.7
42.5°	4824.7	4850.5	4827.3	4721.4	4531.6	4304.4	3981.6	3909.3	3851.2	3992.0	3808.6
45°	5328.2	5359.2	5348.9	5267.5	5120.4	4935.7	4631.0	4547.1	4520.0	4650.4	4432.2
47.5°	5812.4	5845.9	5883.4	5865.3	5760.7	5675.5	5337.2	5289.5	5281.7	5421.2	5082.9
50°	6172.6	6203.6	6346.9	6450.1	6521.2	6503.1	6210.0	6139.0	6127.4	6216.5	5769.8
52.5°	6430.8	6460.5	6658.0	6980.8	7241.6	7383.6	7087.9	7072.4	7009.2	6978.2	6412.7
55°	6630.9	6672.2	6880.1	7368.1	7893.6	8208.6	8023.9	7968.4	7805.8	7627.6	7009.2
57.5°	6670.9	6687.7	6980.8	7639.2	8399.6	8909.6	8909.6	8812.8	8499.1	8252.5	7698.6
60°	6312.0	6363.6	6760.0	7617.3	8616.5	9367.9	9644.2	9577.1	9153.6	8850.2	8362.2
62.5°	5515.4	5573.5	6056.4	7091.8	8399.6	9462.2	10200.7	10190.3	9712.7	9344.7	8912.2
65°	4229.5	4272.1	4693.0	5932.4	7483.0	9099.4	10598.3	10626.7	10154.2	9671.3	9102.0
67.5°	2125.1	2154.8	2609.2	4052.6	5931.1	8054.9	10571.2	10697.7	10288.5	9498.3	8377.7
70°	742.4	772.1	986.4	1739.1	3609.8	6150.6	9657.1	9863.7	9499.6	8107.9	6180.3
72.5°	254.3	268.5	409.3	645.5	1404.7	3646.0	7343.6	7654.7	7002.7	5443.1	3551.7
75°	144.6	153.6	219.5	349.9	588.7	1199.4	4166.3	4357.3	4082.3	2966.9	1461.5
77.5°	98.1	105.9	136.9	198.8	325.3	386.0	1699.0	2139.3	1865.6	968.3	373.1
80°	58.1	63.3	83.9	117.5	166.5	149.8	364.1	484.1	623.6	289.2	112.3
82.5°	27.1	31.0	54.2	77.5	83.9	63.3	107.2	130.4	175.6	142.0	46.5
85°	0.0	0.0	18.1	32.3	31.0	18.1	29.7	32.3	47.8	71.0	18.1
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9	7.7	14.2	7.7
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°	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8	1440.8
2.5°	1446.0	1437.0	1447.3	1442.1	1447.3	1446.0	1435.7	1429.2	1429.2	1417.6	1413.7
5°	1464.1	1455.0	1457.6	1446.0	1443.4	1437.0	1424.0	1418.9	1418.9	1407.3	1403.4
7.5°	1504.1	1489.9	1487.3	1464.1	1453.7	1435.7	1412.4	1403.4	1402.1	1390.5	1386.6
10°	1567.3	1550.6	1538.9	1509.3	1479.6	1443.4	1394.3	1353.0	1329.8	1298.8	1296.2
12.5°	1644.8	1624.2	1606.1	1560.9	1511.8	1430.5	1285.9	1134.8	1041.9	968.3	973.5
15°	1731.3	1711.9	1683.5	1615.1	1514.4	1302.7	1000.6	768.2	654.6	593.9	591.3
17.5°	1825.6	1797.2	1750.7	1657.7	1433.1	995.4	650.7	459.6	400.2	379.6	374.4
20°	1913.4	1878.5	1820.4	1666.8	1198.1	673.9	406.7	356.3	346.0	339.5	339.5
22.5°	2006.3	1962.4	1875.9	1597.0	890.8	431.2	346.0	334.4	326.6	317.6	316.3
25°	2100.6	2043.8	1926.3	1415.0	583.6	339.5	324.1	311.1	296.9	282.7	278.9
27.5°	2180.6	2107.0	1965.0	1143.9	374.4	306.0	295.7	273.7	254.3	238.8	236.3
30°	2276.1	2181.9	1981.8	836.6	294.4	269.8	254.3	231.1	207.9	192.4	187.2
32.5°	2404.0	2300.7	1956.0	544.8	260.8	237.6	213.0	185.9	162.7	145.9	143.3
35°	2602.8	2480.1	1837.2	347.3	236.3	205.3	175.6	147.2	127.8	114.9	112.3
37.5°	2845.5	2731.9	1642.2	260.8	211.7	178.2	143.3	116.2	102.0	93.0	90.4
40°	3205.7	3046.9	1400.8	228.5	187.2	151.1	117.5	95.5	85.2	77.5	74.9
42.5°	3673.1	3418.7	1123.2	207.9	164.0	126.5	95.5	78.8	69.7	64.6	63.3
45°	4219.2	3781.5	830.2	187.2	142.0	104.6	78.8	64.6	58.1	54.2	52.9
47.5°	4778.2	4099.1	573.2	165.3	121.4	86.5	65.8	55.5	50.4	45.2	43.9
50°	5374.7	4367.7	391.2	143.3	103.3	71.0	56.8	50.4	43.9	40.0	38.7
52.5°	5812.4	4467.1	272.4	123.9	87.8	60.7	50.4	45.2	40.0	34.9	33.6
55°	6216.5	4464.5	206.6	104.6	74.9	52.9	45.2	40.0	34.9	31.0	29.7
57.5°	6619.3	4429.6	162.7	89.1	64.6	47.8	40.0	34.9	32.3	27.1	25.8
60°	6880.1	4297.9	126.5	74.9	55.5	41.3	34.9	31.0	27.1	23.2	21.9
62.5°	7018.2	4114.6	96.8	59.4	45.2	36.1	31.0	27.1	23.2	19.4	18.1
65°	6831.0	3789.3	76.2	46.5	34.9	31.0	25.8	21.9	18.1	14.2	12.9
67.5°	6000.9	3195.4	59.4	37.4	27.1	23.2	21.9	18.1	12.9	10.3	9.0
70°	4241.1	2188.3	46.5	28.4	20.7	18.1	16.8	14.2	10.3	7.7	6.5
72.5°	2327.8	1103.9	33.6	20.7	15.5	14.2	12.9	11.6	9.0	6.5	6.5
75°	896.0	303.4	24.5	14.2	10.3	10.3	9.0	9.0	7.7	5.2	5.2
77.5°	233.7	90.4	15.5	9.0	6.5	6.5	6.5	5.2	5.2	3.9	3.9
80°	74.9	29.7	9.0	6.5	5.2	3.9	3.9	2.6	3.9	2.6	2.6
82.5°	24.5	10.3	5.2	5.2	3.9	2.6	2.6	1.3	1.3	0.0	0.0
85°	9.0	5.2	3.9	2.6	2.6	2.6	1.3	0.0	0.0	0.0	0.0
87.5°	5.2	2.6	2.6	2.6	2.6	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)