

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: P633868

Luminaire Tested: GWS-SA2F-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-750-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9857 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

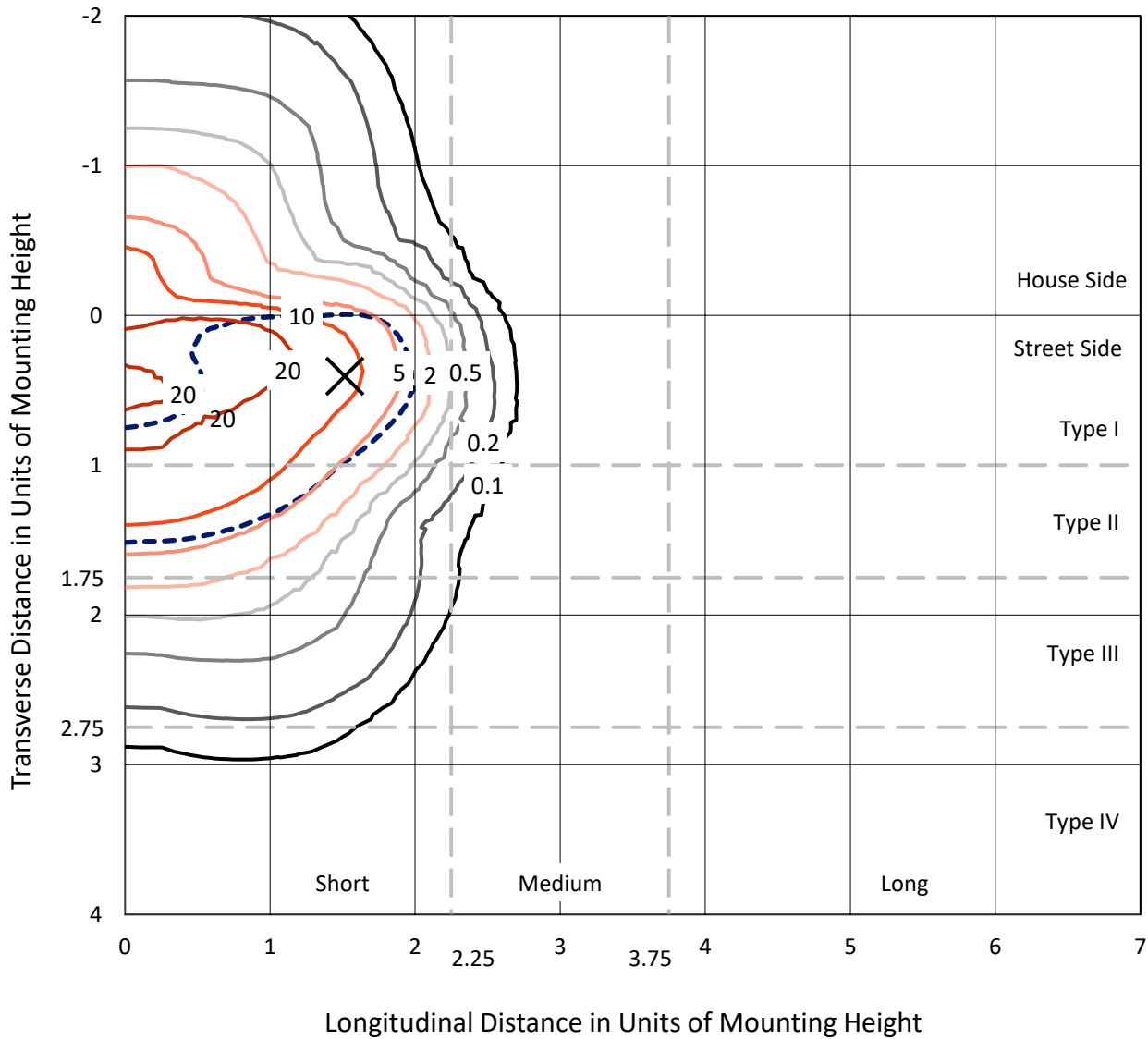
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633868
 CATALOG NUMBER: GWS-SA2F-750-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

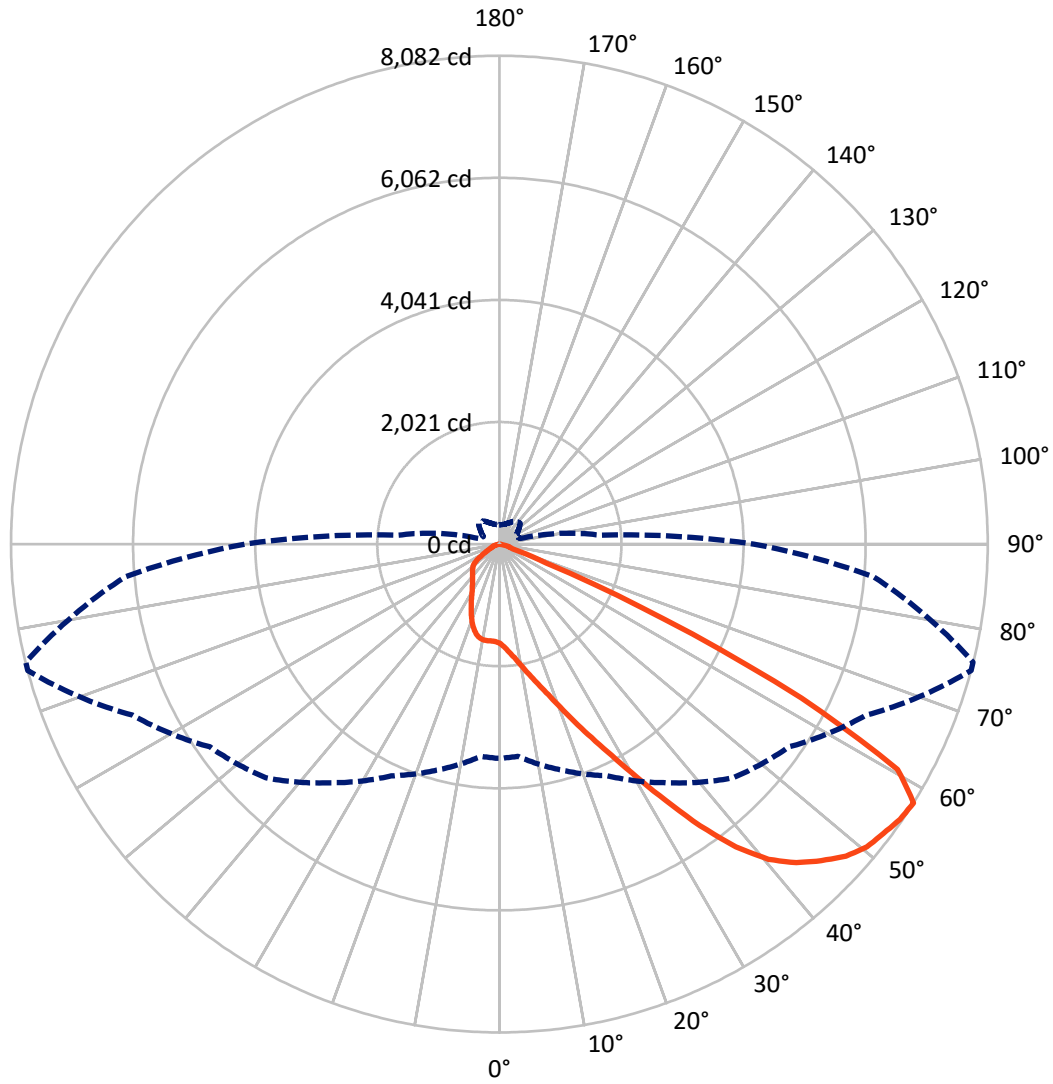
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.7 fc
 Type II - Short - N/A

REPORT NUMBER: P633868
CATALOG NUMBER: GWS-SA2F-750-U-T2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633868

CATALOG NUMBER: GWS-SA2F-750-U-T2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1610.1	0.0	1610.1
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	8246.9	0.0	8246.9
	% Fixture	83.7	0.0	83.7
Total	Lumens	9857.0	0.0	9857.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.3	1.7
10°-20°	543.4	5.5
20°-30°	995.2	10.1
30°-40°	1651.1	16.8
40°-50°	2521.6	25.6
50°-60°	2833.4	28.7
60°-70°	1045.1	10.6
70°-80°	99.9	1.0
80°-90°	0.1	0.0
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°	9857.0	100.0
0°-180°	9857.0	100.0

Coefficient of Utilization



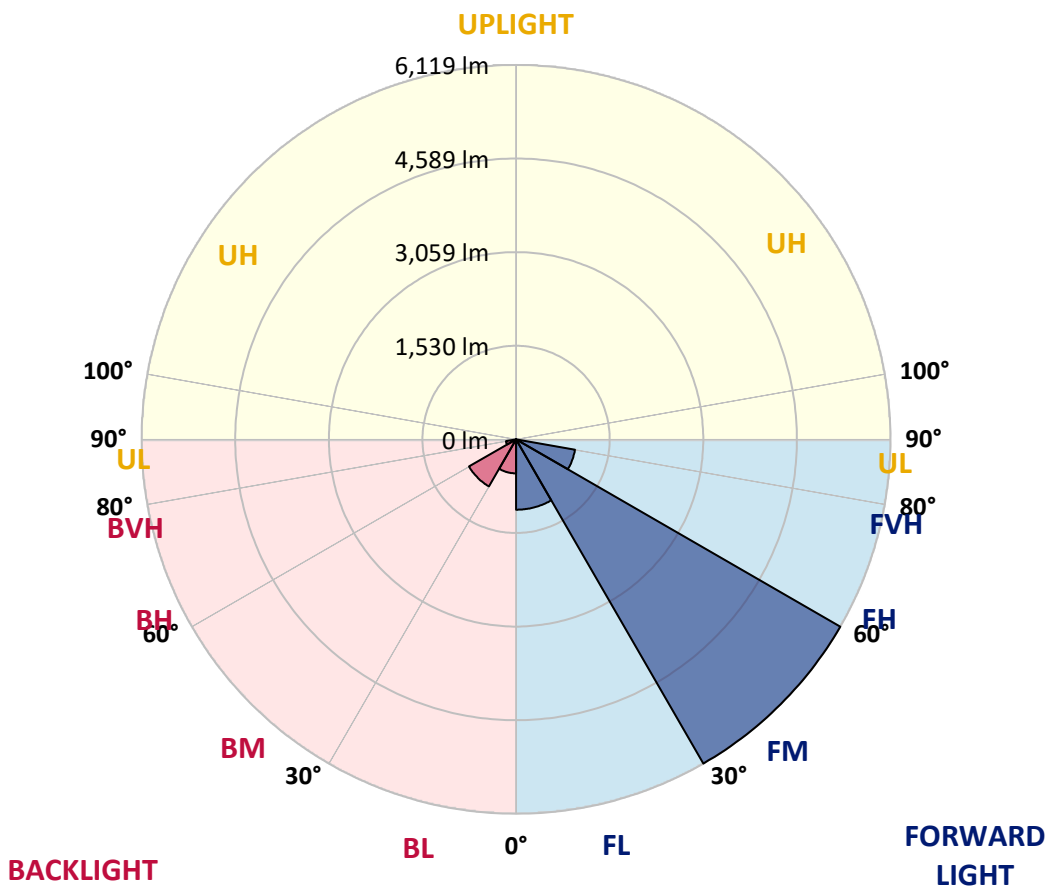
REPORT NUMBER: P633868

CATALOG NUMBER: GWS-SA2F-750-U-T2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1150.3	11.7			
FM (30°-60°)	6118.8	62.1			
FH (60°-80°)	977.8	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	555.6	5.6	B2/1000		
BM (30°-60°)	887.3	9.0	B1/1000		
BH (60°-80°)	167.2	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P633868

CATALOG NUMBER: GWS-SA2F-750-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0
2.5°	1836.7	1855.8	1849.8	1837.9	1830.8	1805.8	1790.3	1745.1	1713.0	1709.4	1679.7
5°	2068.7	2065.1	2060.4	2046.1	2034.2	1994.9	1948.5	1872.4	1804.6	1796.3	1733.2
7.5°	2196.0	2198.4	2200.7	2198.4	2190.0	2160.3	2109.1	2019.9	1916.4	1909.3	1809.4
10°	2248.3	2253.1	2265.0	2287.6	2307.8	2305.4	2275.7	2184.1	2056.8	2044.9	1910.5
12.5°	2273.3	2279.3	2298.3	2341.1	2395.8	2438.7	2443.4	2361.3	2221.0	2201.9	2030.6
15°	2307.8	2313.7	2337.5	2393.5	2473.2	2557.6	2612.3	2560.0	2403.0	2382.7	2162.7
17.5°	2323.3	2331.6	2366.1	2439.8	2543.3	2673.0	2796.7	2792.0	2618.3	2602.8	2316.1
20°	2353.0	2359.0	2389.9	2469.6	2594.5	2781.3	2989.4	3064.4	2881.2	2858.6	2501.7
22.5°	2447.0	2449.4	2463.6	2513.6	2630.2	2859.8	3185.7	3382.0	3191.7	3161.9	2709.9
25°	2600.4	2599.2	2605.2	2613.5	2699.2	2939.5	3374.9	3740.1	3547.4	3515.2	2945.4
27.5°	2795.5	2795.5	2809.8	2786.0	2820.5	3038.2	3561.6	4151.7	3961.3	3916.1	3203.6
30°	3025.1	3023.9	3057.2	3019.2	3029.9	3194.0	3762.7	4600.1	4461.0	4405.0	3501.0
32.5°	3336.8	3329.7	3367.7	3315.4	3279.7	3429.6	4007.7	5068.8	5059.3	4973.7	3874.5
35°	3730.5	3718.7	3730.5	3679.4	3615.2	3759.1	4328.9	5536.3	5723.1	5632.7	4319.4
37.5°	4121.9	4160.0	4173.1	4085.0	4032.7	4176.6	4715.5	5955.1	6357.2	6263.2	4782.1
40°	4583.5	4571.6	4616.8	4518.1	4484.7	4644.2	5093.8	6266.7	6859.2	6769.9	5193.7
42.5°	4923.7	4945.1	5001.0	4946.3	4920.1	5070.0	5411.4	6448.8	7207.7	7119.7	5487.6
45°	5331.7	5347.2	5368.6	5323.4	5296.0	5443.6	5641.0	6528.5	7473.0	7377.8	5685.0
47.5°	5773.1	5785.0	5785.0	5692.2	5604.1	5664.8	5794.5	6573.7	7716.9	7625.3	5831.4
50°	6089.5	6095.4	6147.8	6082.4	5890.8	5796.9	5864.7	6617.7	7878.6	7793.0	5878.9
52.5°	5808.8	5801.6	5974.1	6109.7	6160.9	5974.1	5986.0	6681.9	7957.2	7883.4	5917.0
55°	4891.6	4879.7	5122.4	5451.9	5902.7	6141.8	6132.3	6720.0	8044.0	7998.8	6055.0
57.5°	3546.2	3525.9	3863.8	4230.2	4821.4	5469.7	5850.4	6698.6	8082.1	8078.5	6215.6
60°	2131.7	2115.1	2433.9	2819.3	3276.1	3928.0	4559.7	6000.3	7572.9	7580.1	5798.1
62.5°	1312.1	1327.6	1615.5	1811.7	1981.9	2178.1	2543.3	4036.3	5610.1	5656.5	4074.3
65°	882.7	894.6	1161.0	1408.5	1408.5	1151.5	988.5	1929.5	2993.0	2914.5	1927.1
67.5°	592.4	605.5	816.1	1105.1	1146.8	803.0	400.9	575.8	833.9	808.9	477.0
70°	348.5	362.8	543.6	757.8	835.1	559.1	267.7	243.9	236.7	229.6	185.6
72.5°	155.8	161.8	277.2	385.4	352.1	235.5	189.1	195.1	184.4	180.8	151.1
75°	47.6	50.0	71.4	83.3	84.5	84.5	114.2	153.5	145.1	146.3	116.6
77.5°	11.9	11.9	19.0	17.8	9.5	8.3	21.4	34.5	35.7	32.1	23.8
80°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P633868

CATALOG NUMBER: GWS-SA2F-750-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0	1644.0
2.5°	1666.6	1635.7	1615.5	1586.9	1566.7	1545.3	1526.2	1510.8	1502.4	1500.1	1501.3
5°	1704.7	1655.9	1608.3	1553.6	1515.5	1479.8	1451.3	1428.7	1418.0	1414.4	1414.4
7.5°	1763.0	1695.2	1610.7	1525.1	1460.8	1404.9	1371.6	1346.6	1337.1	1334.7	1327.6
10°	1839.1	1746.3	1607.1	1473.9	1383.5	1325.2	1301.4	1294.3	1297.8	1299.0	1297.8
12.5°	1930.7	1799.8	1584.5	1399.0	1301.4	1265.7	1268.1	1287.1	1308.5	1319.3	1321.6
15°	2028.2	1848.6	1533.4	1309.7	1231.2	1230.0	1264.5	1308.5	1350.2	1368.0	1372.8
17.5°	2137.7	1887.9	1454.9	1214.6	1170.6	1205.1	1266.9	1334.7	1390.6	1420.4	1426.3
20°	2257.8	1920.0	1354.9	1125.4	1117.0	1178.9	1264.5	1347.8	1416.8	1450.1	1456.1
22.5°	2382.7	1942.6	1239.6	1043.3	1068.2	1149.1	1241.9	1322.8	1388.2	1426.3	1431.1
25°	2525.5	1945.0	1121.8	974.3	1023.0	1108.7	1187.2	1253.8	1308.5	1341.9	1345.4
27.5°	2650.4	1916.4	1017.1	918.4	981.4	1058.7	1111.1	1148.0	1186.0	1205.1	1206.2
30°	2794.3	1866.5	918.4	873.2	938.6	996.9	1023.0	1031.4	1034.9	1038.5	1033.8
32.5°	2965.6	1805.8	844.6	829.1	889.8	929.1	936.2	919.6	899.3	870.8	863.6
35°	3176.2	1751.1	783.9	786.3	836.3	860.1	854.1	818.4	779.2	744.7	738.7
37.5°	3404.6	1704.7	737.5	744.7	778.0	794.6	776.8	737.5	719.7	690.0	691.2
40°	3606.8	1666.6	695.9	703.0	718.5	734.0	705.4	679.3	712.6	710.2	712.6
42.5°	3750.8	1634.5	660.2	656.7	667.4	678.1	656.7	643.6	699.5	684.0	692.3
45°	3835.2	1604.8	630.5	609.1	625.7	644.8	630.5	613.8	632.9	561.5	555.5
47.5°	3892.3	1588.1	604.3	562.7	592.4	625.7	596.0	555.5	528.2	466.3	461.6
50°	3898.3	1579.8	573.4	515.1	553.2	588.8	554.3	498.4	459.2	431.8	428.3
52.5°	3929.2	1596.4	530.6	454.4	496.1	553.2	529.4	473.5	419.9	396.1	391.4
55°	4067.2	1666.6	459.2	371.2	431.8	525.8	509.1	422.3	371.2	356.9	353.3
57.5°	4210.0	1680.9	361.6	293.8	375.9	486.5	465.1	389.0	339.0	322.4	318.8
60°	3849.5	1384.7	271.2	242.7	331.9	449.7	430.6	368.8	310.5	290.3	286.7
62.5°	2529.1	748.3	215.3	205.8	279.6	380.7	392.6	333.1	277.2	255.8	254.6
65°	1165.8	347.4	165.4	163.0	218.9	303.3	337.8	291.4	234.3	215.3	215.3
67.5°	317.6	172.5	129.7	120.1	148.7	203.4	246.2	217.7	166.5	143.9	142.8
70°	158.2	139.2	116.6	103.5	107.1	126.1	145.1	121.3	84.5	69.0	67.8
72.5°	129.7	114.2	98.7	88.0	80.9	77.3	74.9	60.7	39.3	29.7	28.6
75°	96.4	82.1	70.2	57.1	48.8	45.2	40.4	29.7	16.7	9.5	8.3
77.5°	21.4	20.2	19.0	14.3	13.1	10.7	8.3	5.9	2.4	0.0	0.0
80°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)