

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: P635852

Luminaire Tested: GWS-SA3E-750-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15079.8 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

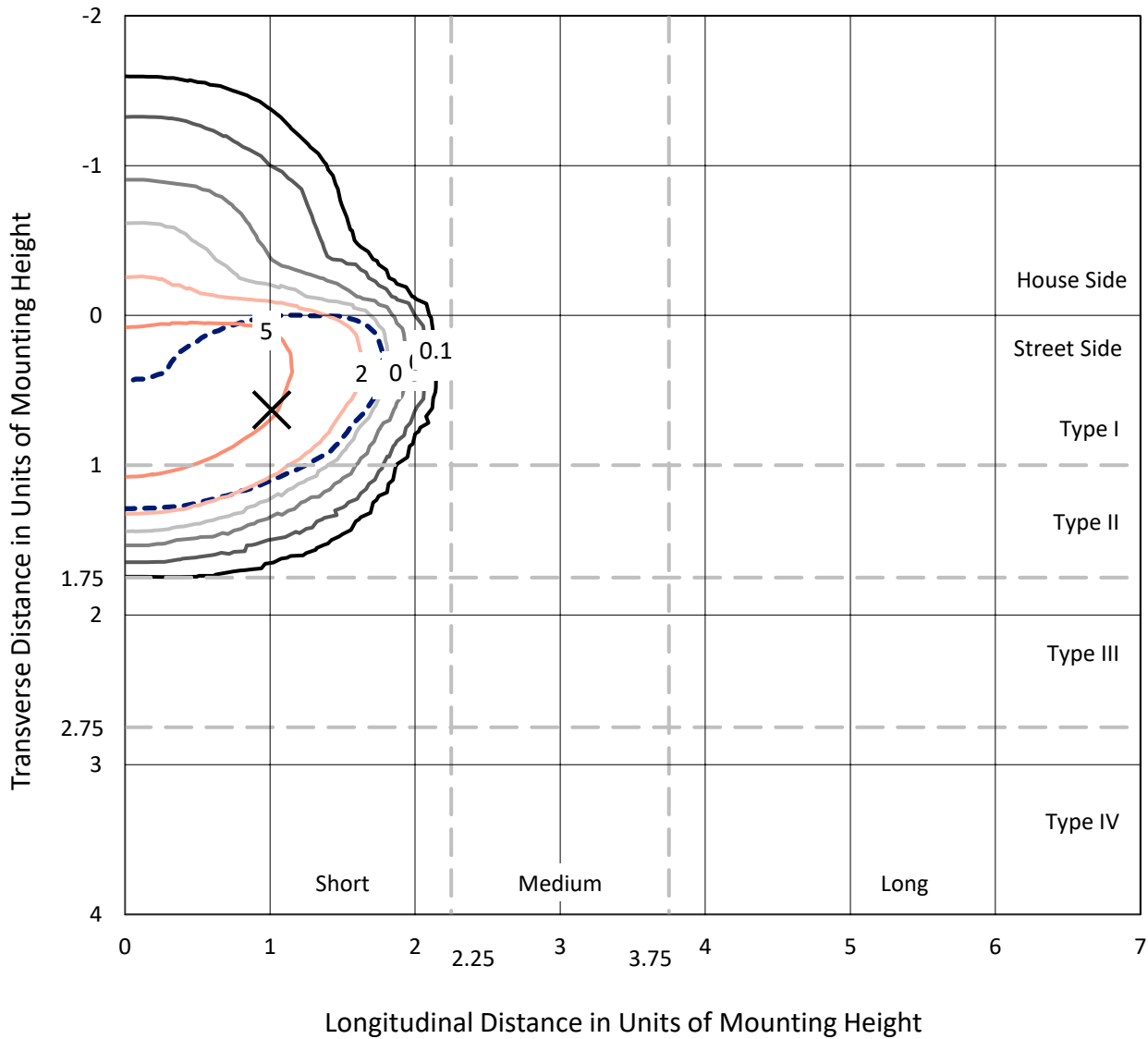
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635852
 CATALOG NUMBER: GWS-SA3E-750-U-T2R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

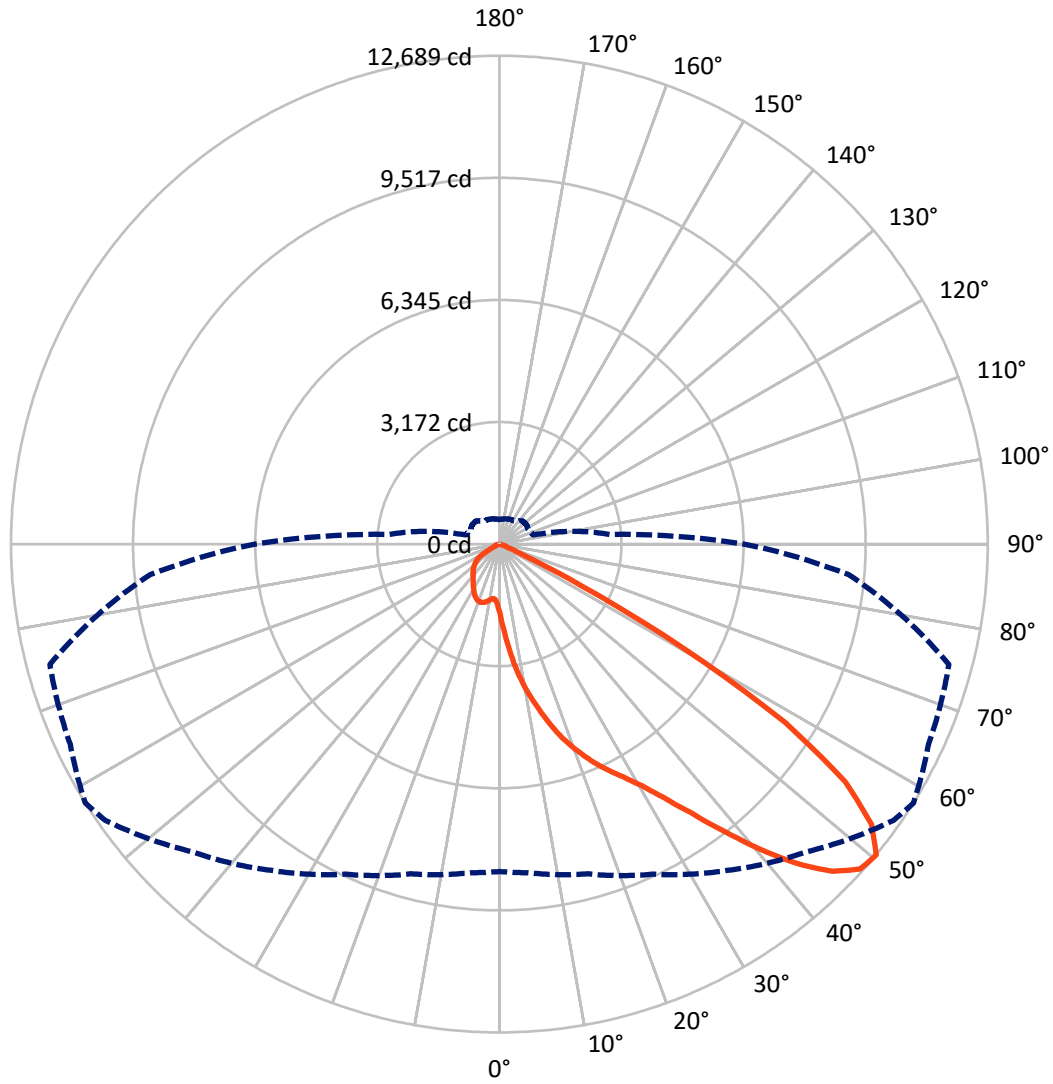
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

REPORT NUMBER: P635852
CATALOG NUMBER: GWS-SA3E-750-U-T2R-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P635852

CATALOG NUMBER: GWS-SA3E-750-U-T2R-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2112.1	0.0	2112.1
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	12967.7	0.0	12967.7
	% Fixture	86.0	0.0	86.0
Total	Lumens	15079.8	0.0	15079.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.1	1.5
10°-20°	883.4	5.9
20°-30°	1787.5	11.9
30°-40°	3162.4	21.0
40°-50°	4610.1	30.6
50°-60°	3695.1	24.5
60°-70°	665.7	4.4
70°-80°	52.5	0.3
80°-90°	0.0	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°	15079.8	100.0
0°-180°	15079.8	100.0

Coefficient of Utilization



REPORT NUMBER: P635852

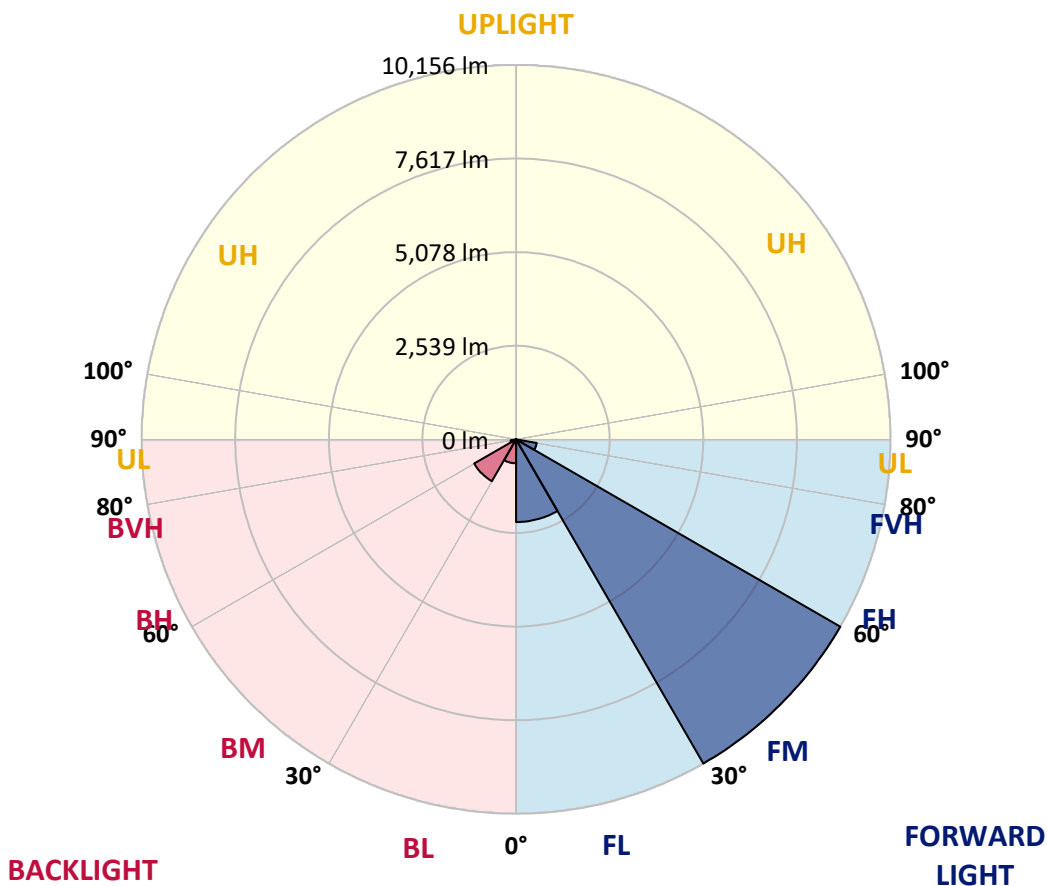
CATALOG NUMBER: GWS-SA3E-750-U-T2R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2243.8	14.9			
FM (30°-60°)	10155.8	67.3			
FH (60°-80°)	568.1	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	650.2	4.3	B2/1000		
BM (30°-60°)	1311.7	8.7	B2/2500		
BH (60°-80°)	150.1	1.0	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: P635852

CATALOG NUMBER: GWS-SA3E-750-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3
2.5°	2665.6	2623.7	2599.5	2580.1	2494.7	2359.2	2270.5	2223.8	2146.3	2015.7	1902.8
5°	3478.3	3447.7	3391.3	3352.6	3242.9	3051.0	2852.7	2773.6	2597.9	2302.8	2038.3
7.5°	4016.9	3994.4	3973.4	3921.8	3818.6	3644.4	3425.1	3342.9	3072.0	2652.7	2218.9
10°	4431.4	4413.6	4389.5	4387.8	4307.2	4150.8	3936.3	3850.9	3557.4	3033.3	2431.8
12.5°	4795.8	4781.3	4776.5	4821.6	4770.0	4653.9	4421.7	4315.3	4004.0	3421.9	2667.2
15°	5045.8	5042.5	5063.5	5152.2	5181.2	5128.0	4932.9	4818.4	4460.4	3812.1	2926.8
17.5°	5160.3	5169.9	5210.3	5363.5	5492.5	5537.6	5387.6	5290.9	4913.5	4207.2	3204.2
20°	5355.4	5352.2	5376.4	5521.5	5679.5	5840.8	5795.6	5713.4	5371.5	4624.9	3512.2
22.5°	5905.3	5858.5	5806.9	5829.5	5885.9	6074.6	6158.5	6116.5	5844.0	5053.8	3829.9
25°	6750.3	6701.9	6535.8	6374.5	6268.1	6353.6	6468.1	6489.0	6313.3	5494.1	4162.1
27.5°	7646.9	7603.3	7416.3	7174.4	6869.6	6721.2	6806.7	6848.6	6774.5	6018.2	4515.2
30°	8487.0	8429.0	8224.2	7924.2	7571.1	7343.7	7247.0	7276.0	7319.5	6639.0	4929.7
32.5°	9215.9	9172.4	8927.3	8611.2	8270.9	8033.9	7808.1	7856.5	7962.9	7398.5	5460.2
35°	9833.5	9811.0	9551.3	9236.9	8877.3	8756.3	8562.8	8572.5	8678.9	8316.1	6106.9
37.5°	10370.5	10331.8	10096.4	9804.5	9519.1	9499.7	9446.5	9451.4	9506.2	9385.2	6850.3
40°	10709.2	10673.7	10506.0	10325.4	10122.2	10125.4	10401.2	10422.1	10359.2	10435.0	7635.6
42.5°	10836.6	10810.8	10720.5	10722.1	10701.1	10796.2	11313.9	11352.6	11126.8	11259.1	8306.4
45°	10615.6	10604.4	10610.8	10843.0	11094.6	11388.1	12060.5	12128.2	11809.0	11805.7	8830.5
47.5°	9902.9	9880.3	10069.0	10464.1	11046.2	11617.1	12512.0	12616.9	12286.3	12118.6	9159.5
50°	8506.4	8570.9	8869.2	9462.6	10348.0	11302.6	12507.2	12689.4	12304.0	12091.2	9104.6
52.5°	6161.7	6148.8	6801.9	7617.8	8695.1	10296.3	11842.8	12108.9	11873.5	11821.9	8982.1
55°	3352.6	3470.3	3910.5	4990.9	6335.8	8391.9	10325.4	10905.9	11178.4	11723.5	9203.0
57.5°	1232.0	1283.6	1559.4	2323.7	3354.2	5218.3	7887.1	8762.8	9604.5	11449.3	9165.9
60°	496.7	506.4	616.0	854.7	1409.4	2655.9	4731.3	5508.6	6302.0	8764.4	7034.1
62.5°	361.2	374.1	417.7	499.9	712.8	1161.1	2039.9	2372.1	2593.0	4341.1	3465.4
65°	291.9	301.6	337.0	374.1	470.9	624.1	657.9	633.7	630.5	1122.4	795.0
67.5°	241.9	251.6	277.4	303.2	338.6	311.2	225.8	237.0	193.5	191.9	156.4
70°	177.4	188.7	214.5	241.9	203.2	83.9	130.6	193.5	146.7	122.6	119.3
72.5°	133.8	141.9	166.1	158.0	59.7	32.3	87.1	140.3	112.9	90.3	88.7
75°	100.0	104.8	83.9	25.8	6.5	8.1	32.3	58.1	62.9	51.6	51.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	6.5	8.1	9.7
80°	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P635852

CATALOG NUMBER: GWS-SA3E-750-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3	1801.3
2.5°	1838.3	1770.6	1673.9	1593.2	1532.0	1472.3	1427.1	1382.0	1380.4	1357.8	1353.0
5°	1915.7	1793.2	1615.8	1488.4	1411.0	1364.2	1332.0	1315.9	1307.8	1299.7	1296.5
7.5°	2027.0	1851.2	1606.1	1470.7	1406.2	1375.5	1353.0	1343.3	1338.4	1332.0	1330.4
10°	2164.1	1935.1	1641.6	1504.5	1448.1	1419.1	1394.9	1380.4	1372.3	1361.0	1357.8
12.5°	2328.6	2038.3	1698.1	1561.0	1501.3	1462.6	1430.4	1409.4	1398.1	1383.6	1380.4
15°	2506.0	2149.6	1760.9	1612.6	1541.6	1491.6	1451.3	1419.1	1398.1	1380.4	1375.5
17.5°	2689.8	2262.5	1817.4	1648.1	1561.0	1501.3	1443.3	1399.7	1373.9	1351.3	1344.9
20°	2896.2	2378.6	1854.5	1654.5	1554.5	1475.5	1407.8	1353.0	1327.2	1296.5	1290.1
22.5°	3112.3	2486.6	1870.6	1640.0	1519.1	1427.1	1354.6	1298.1	1261.0	1228.8	1219.1
25°	3321.9	2583.4	1862.5	1599.7	1465.8	1359.4	1285.2	1227.2	1186.9	1154.6	1146.5
27.5°	3544.5	2664.0	1833.5	1540.0	1393.3	1285.2	1214.3	1164.3	1127.2	1091.7	1083.7
30°	3794.4	2738.2	1786.7	1467.5	1307.8	1209.4	1154.6	1120.7	1080.4	1043.3	1032.1
32.5°	4096.0	2804.3	1719.0	1380.4	1232.0	1143.3	1112.7	1086.9	1040.1	1001.4	993.4
35°	4441.1	2859.1	1633.5	1290.1	1157.8	1101.4	1094.9	1061.1	999.8	954.6	945.0
37.5°	4841.0	2912.3	1532.0	1201.4	1103.0	1082.0	1083.7	1025.6	951.4	896.6	890.1
40°	5271.5	2965.5	1419.1	1124.0	1053.0	1070.8	1056.2	974.0	853.1	799.8	793.4
42.5°	5719.8	3023.6	1304.6	1051.4	1011.1	1027.2	1006.3	870.8	783.7	756.3	753.1
45°	6124.6	3092.9	1180.4	978.8	969.2	964.3	928.8	788.6	751.5	732.1	730.5
47.5°	6416.5	3081.6	1048.2	909.5	924.0	907.9	799.8	749.9	719.2	693.4	687.0
50°	6363.3	2884.9	911.1	832.1	866.0	851.4	719.2	704.7	677.3	649.9	640.2
52.5°	6227.8	2617.2	791.8	749.9	803.1	769.2	664.4	649.9	625.7	590.2	578.9
55°	6300.4	2365.7	698.2	683.7	738.6	637.0	603.1	580.5	554.7	516.0	511.2
57.5°	6066.5	1930.3	561.2	570.9	653.1	543.4	528.9	493.5	449.9	424.1	420.9
60°	4199.2	1036.9	351.5	362.8	472.5	456.4	474.1	441.8	388.6	364.4	359.6
62.5°	1928.7	416.0	191.9	183.8	248.3	309.6	406.4	403.1	337.0	298.3	295.1
65°	467.6	190.3	137.1	129.0	140.3	185.4	264.5	317.7	272.5	227.4	222.5
67.5°	151.6	154.8	125.8	117.7	124.2	138.7	158.0	175.8	174.2	159.6	156.4
70°	120.9	140.3	116.1	106.4	106.4	111.3	106.4	85.5	74.2	80.6	83.9
72.5°	90.3	106.4	91.9	82.2	79.0	77.4	66.1	48.4	33.9	30.6	29.0
75°	53.2	59.7	56.4	48.4	45.2	40.3	32.3	21.0	11.3	8.1	4.8
77.5°	9.7	11.3	12.9	9.7	8.1	6.5	4.8	1.6	0.0	0.0	0.0
80°	0.0	1.6	1.6	1.6	0.0	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)