

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: P634432

Luminaire Tested: GWS-SA3B-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8215 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

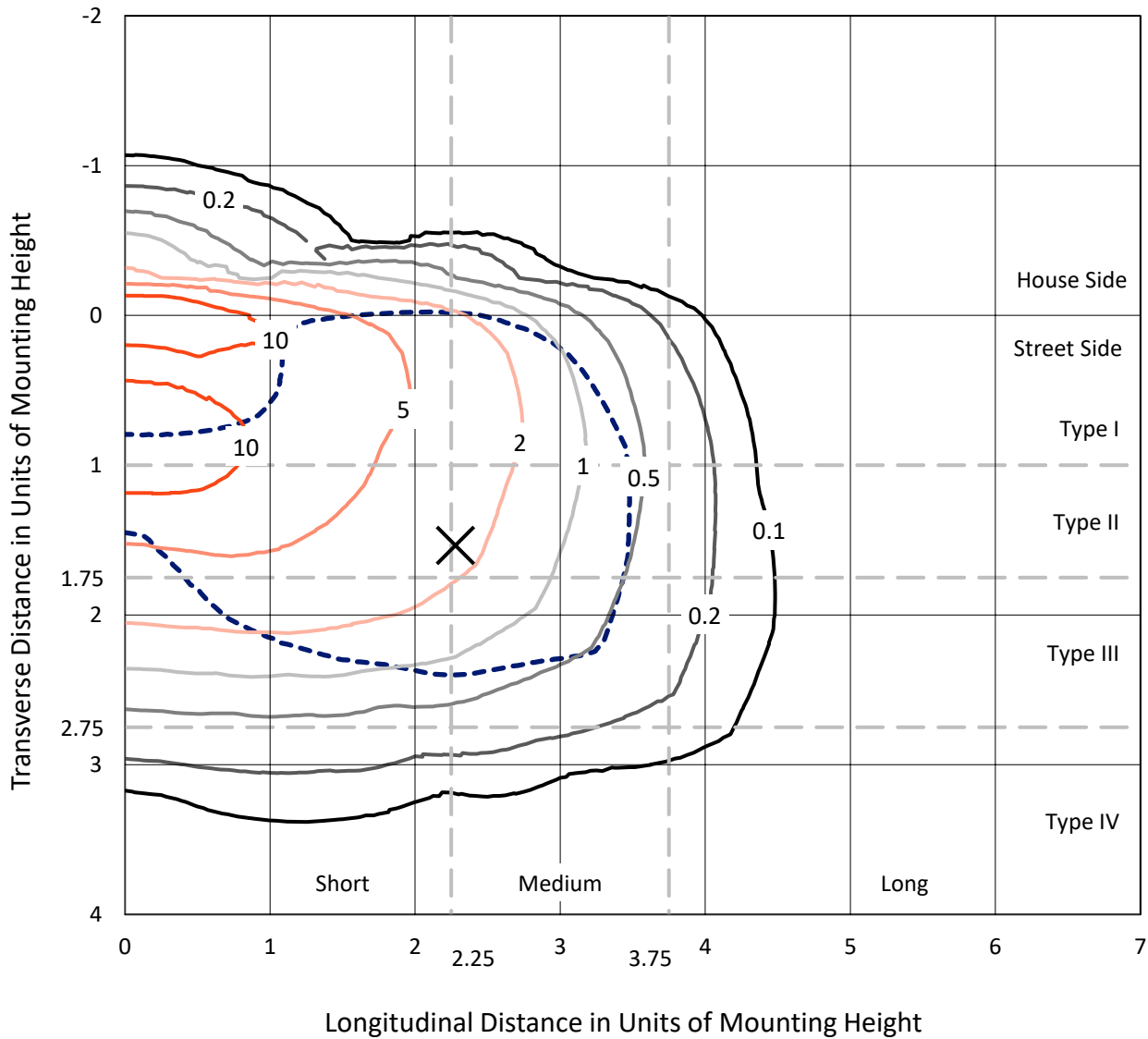
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

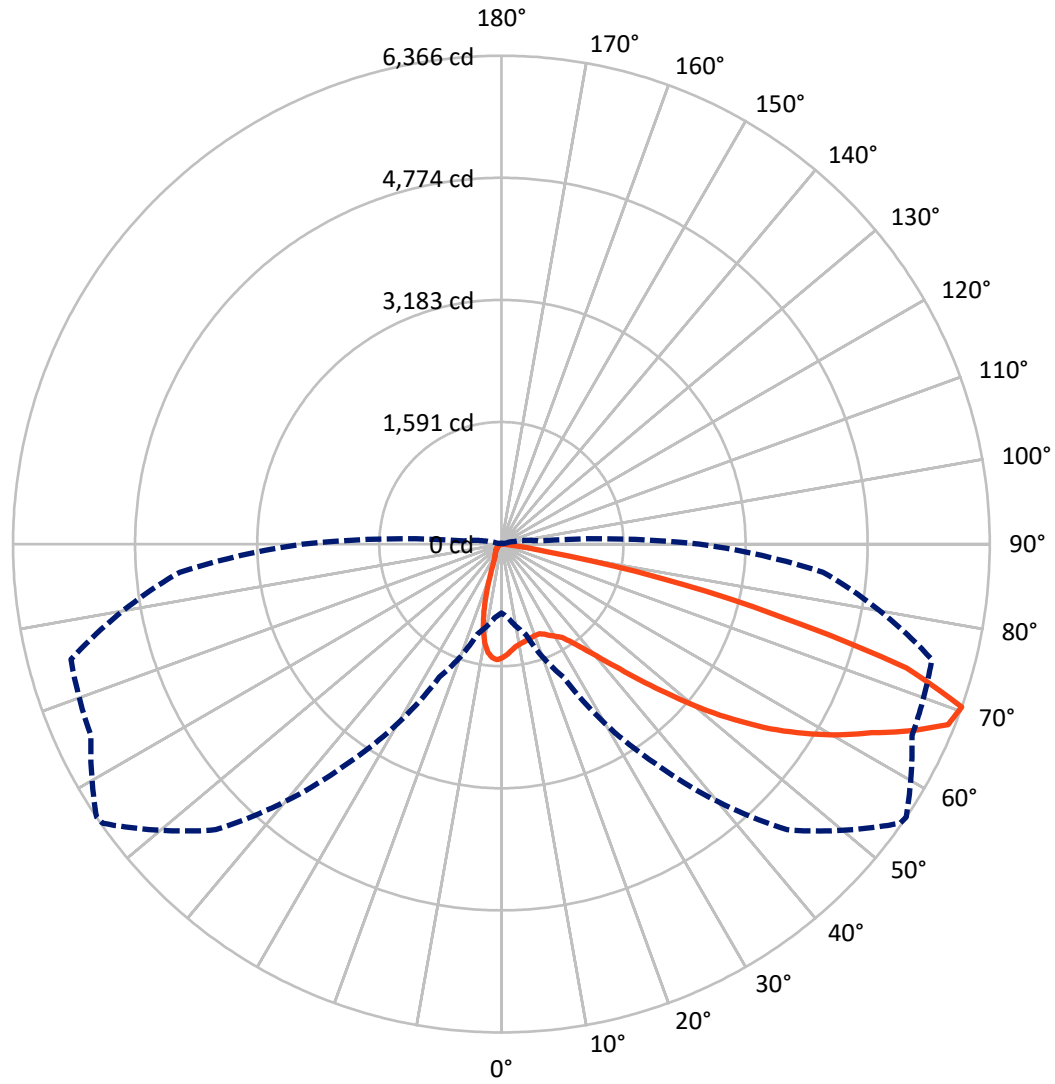
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	737.9	0.0	737.9
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	7477.1	0.0	7477.1
	% Fixture	91.0	0.0	91.0
Total	Lumens	8215.0	0.0	8215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	1.5
10°-20°	286.0	3.5
20°-30°	453.1	5.5
30°-40°	781.3	9.5
40°-50°	1319.4	16.1
50°-60°	1938.7	23.6
60°-70°	2298.4	28.0
70°-80°	980.1	11.9
80°-90°	30.8	0.4
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°	8215.0	100.0
0°-180°	8215.0	100.0

Coefficient of Utilization



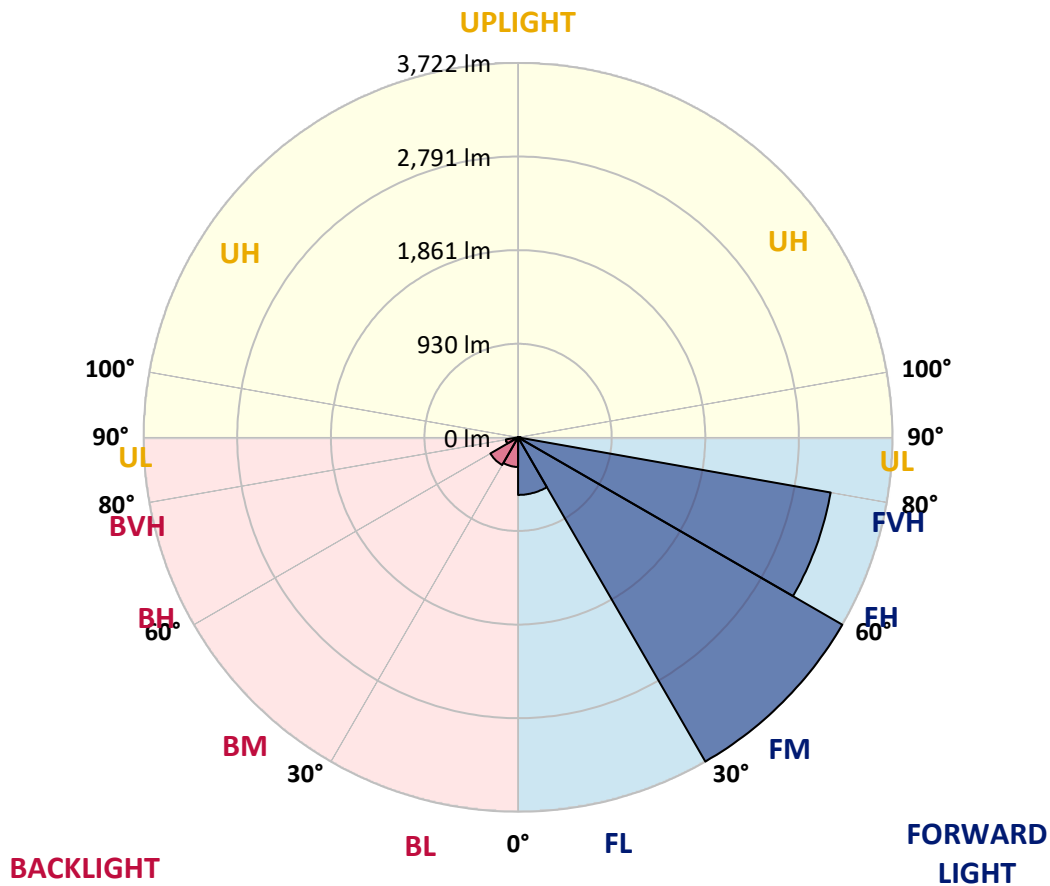
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.4	7.0			
FM (30°-60°)	3721.6	45.3			
FH (60°-80°)	3155.4	38.4			G2/5000
FVH (80°-90°)	27.6	0.3			G1/100
BL (0°-30°)	293.9	3.6	B1/500		
BM (30°-60°)	317.8	3.9	B1/1000		
BH (60°-80°)	123.1	1.5	B1/500		G1/500
BVH (80°-90°)	3.1	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2
2.5°	1378.9	1376.7	1378.2	1389.5	1410.5	1420.3	1436.9	1439.9	1453.4	1470.7	1477.5
5°	1289.4	1281.9	1285.7	1301.5	1325.5	1352.6	1383.5	1391.7	1425.6	1463.9	1492.5
7.5°	1207.4	1199.1	1208.2	1233.0	1266.8	1296.2	1342.1	1347.3	1401.5	1469.2	1521.1
10°	1078.8	1081.0	1099.1	1142.7	1194.6	1255.6	1317.2	1324.8	1391.7	1486.5	1567.0
12.5°	980.2	975.0	994.5	1044.2	1117.1	1205.9	1298.4	1308.2	1392.5	1512.8	1625.7
15°	934.3	932.8	941.1	977.2	1047.9	1152.5	1281.1	1293.9	1402.3	1536.9	1681.4
17.5°	935.8	933.6	932.8	953.9	1006.6	1112.6	1262.3	1278.9	1410.5	1563.2	1740.0
20°	1001.3	990.8	972.0	962.2	993.8	1087.1	1249.5	1268.4	1422.6	1591.1	1802.5
22.5°	1138.2	1142.0	1091.6	1038.9	1023.9	1090.1	1248.0	1269.9	1448.9	1634.7	1879.2
25°	1412.0	1406.0	1312.7	1194.6	1112.6	1124.7	1274.4	1300.7	1500.8	1697.2	1951.4
27.5°	1755.1	1760.3	1632.5	1444.4	1272.9	1196.1	1322.5	1348.8	1561.0	1736.3	1999.6
30°	2129.0	2123.7	1986.8	1778.4	1500.1	1315.0	1370.7	1394.0	1591.1	1757.3	2049.2
32.5°	2482.5	2470.5	2335.1	2116.9	1789.7	1502.3	1436.9	1450.4	1631.0	1803.2	2116.2
35°	2784.2	2783.5	2665.3	2432.9	2087.6	1737.0	1550.5	1561.7	1705.4	1876.2	2214.7
37.5°	3095.6	3085.1	2952.7	2740.6	2393.8	1994.3	1724.2	1719.7	1822.8	1983.8	2335.8
40°	3351.4	3344.7	3243.1	3039.2	2712.0	2278.7	1934.9	1921.3	1962.0	2132.7	2504.4
42.5°	3541.0	3541.8	3510.2	3386.0	3049.0	2607.4	2199.7	2178.6	2177.9	2357.7	2727.0
45°	3684.7	3694.5	3741.9	3723.1	3447.0	2990.3	2539.0	2517.1	2480.3	2649.5	2982.1
47.5°	3751.6	3764.4	3907.4	3982.6	3795.3	3370.2	2942.9	2897.0	2824.8	3037.7	3267.2
50°	3744.9	3767.4	3966.8	4195.5	4111.2	3755.4	3383.0	3361.2	3243.1	3448.5	3549.3
52.5°	3591.4	3639.5	3970.6	4324.9	4354.2	4110.5	3838.2	3797.5	3740.4	3877.3	3814.1
55°	3174.6	3233.3	3811.8	4366.3	4543.8	4420.4	4283.5	4250.4	4155.6	4282.0	4045.0
57.5°	2948.2	2998.6	3477.8	4345.9	4704.8	4707.0	4680.0	4652.9	4574.6	4682.2	4315.9
60°	2812.0	2862.4	3299.5	4271.5	4850.7	5009.5	5052.3	5049.3	4936.5	5137.3	4633.3
62.5°	2612.7	2681.9	3113.7	4078.1	4954.5	5307.4	5436.8	5416.4	5290.8	5611.3	4947.8
65°	2210.2	2270.4	2733.0	3759.2	4893.6	5554.1	5853.5	5864.1	5718.9	6057.4	5196.0
67.5°	1549.7	1594.1	2053.7	3089.6	4479.9	5635.4	6280.1	6279.3	6031.8	6286.1	5086.2
70°	898.2	959.2	1213.4	1910.0	3485.3	5266.0	6344.0	6365.8	5904.7	5808.4	4209.0
72.5°	347.6	398.0	687.6	1014.8	1817.5	4033.7	5457.1	5521.0	4941.8	4480.6	2929.4
75°	103.8	115.9	323.5	540.1	729.7	1948.4	3694.5	3712.5	3389.8	2794.7	1501.6
77.5°	77.5	85.8	141.4	273.1	255.8	590.5	1911.6	2087.6	1799.5	998.3	413.8
80°	52.7	62.4	100.8	133.2	94.8	157.2	537.1	589.8	549.2	224.2	103.8
82.5°	23.3	30.1	71.5	67.0	34.6	45.1	165.5	176.0	113.6	67.7	36.1
85°	2.3	3.0	27.1	29.3	12.8	10.5	34.6	34.6	24.8	23.3	15.0
87.5°	0.0	0.0	0.8	1.5	1.5	2.3	3.0	3.8	4.5	6.0	7.5
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°	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2	1481.2
2.5°	1494.8	1485.8	1497.0	1506.1	1508.3	1491.8	1482.0	1467.7	1464.7	1465.4	1461.7
5°	1515.1	1510.6	1518.9	1509.1	1483.5	1435.4	1394.0	1348.1	1323.3	1309.0	1307.5
7.5°	1552.7	1550.5	1541.4	1497.0	1417.3	1310.5	1207.4	1106.6	1044.2	1021.6	1017.8
10°	1608.4	1603.9	1567.0	1461.7	1291.7	1086.3	913.3	768.8	680.8	655.2	623.6
12.5°	1672.3	1663.3	1582.8	1385.7	1102.1	817.7	601.8	440.1	364.1	341.5	341.5
15°	1734.0	1714.5	1573.8	1260.1	868.9	531.9	336.3	254.3	231.0	224.9	224.9
17.5°	1797.2	1759.6	1538.4	1088.6	600.3	314.5	224.2	208.4	205.4	206.1	206.9
20°	1856.6	1798.0	1476.0	882.4	382.9	219.7	200.9	197.1	195.6	197.1	196.3
22.5°	1921.3	1833.3	1381.2	657.5	249.0	197.9	191.1	188.1	186.6	188.8	188.8
25°	1985.3	1858.9	1255.6	442.3	197.9	184.3	180.5	177.5	176.0	176.8	176.8
27.5°	2018.4	1849.1	1090.8	282.1	177.5	170.8	167.0	163.2	161.0	160.2	161.0
30°	2040.9	1819.0	889.2	200.9	161.0	152.7	149.0	145.9	139.9	136.2	137.7
32.5°	2076.3	1788.9	670.3	168.5	147.4	134.7	128.6	121.1	112.8	109.1	109.1
35°	2118.4	1747.6	470.2	152.0	133.2	119.6	108.3	95.5	85.8	82.8	82.8
37.5°	2174.1	1708.4	313.0	140.7	121.1	106.8	91.0	76.0	65.4	63.9	63.2
40°	2257.6	1675.3	220.4	132.4	110.6	93.3	74.5	58.7	51.2	48.9	48.9
42.5°	2365.9	1641.5	174.5	124.1	101.6	80.5	59.4	46.6	40.6	39.1	38.4
45°	2499.8	1601.6	152.0	116.6	92.5	67.0	47.4	39.1	34.6	33.1	33.1
47.5°	2645.0	1547.4	141.4	106.8	82.0	54.2	39.9	33.9	31.6	30.8	30.1
50°	2788.0	1474.5	132.4	97.8	70.0	44.4	34.6	30.8	29.3	28.6	28.6
52.5°	2912.8	1389.5	121.1	87.3	57.2	38.4	30.8	28.6	27.1	25.6	24.8
55°	3019.7	1296.9	106.8	75.2	46.6	33.9	28.6	26.3	24.8	23.3	22.6
57.5°	3157.3	1244.3	85.8	60.9	38.4	30.1	26.3	24.1	22.6	20.3	20.3
60°	3310.0	1205.9	63.9	48.1	33.1	27.8	24.1	21.8	20.3	18.1	18.1
62.5°	3432.7	1148.7	50.4	39.1	28.6	24.8	21.8	19.6	18.1	15.8	15.8
65°	3479.3	1030.6	41.4	30.8	23.3	21.8	19.6	18.1	15.8	13.5	13.5
67.5°	3268.7	794.4	34.6	24.8	19.6	18.8	17.3	16.6	13.5	12.0	11.3
70°	2588.6	484.5	28.6	20.3	16.6	15.8	15.8	14.3	12.0	11.3	10.5
72.5°	1773.9	249.8	23.3	16.6	14.3	14.3	13.5	12.8	11.3	10.5	10.5
75°	921.5	83.5	18.1	12.8	11.3	12.0	12.0	11.3	10.5	10.5	9.8
77.5°	264.1	37.6	13.5	9.8	9.0	9.0	9.8	9.8	9.8	9.0	9.0
80°	68.5	21.8	9.8	7.5	7.5	7.5	7.5	8.3	9.0	8.3	8.3
82.5°	27.8	12.0	6.8	6.0	6.0	6.0	6.0	6.8	7.5	7.5	7.5
85°	17.3	6.0	5.3	5.3	5.3	4.5	4.5	5.3	5.3	6.0	6.0
87.5°	10.5	4.5	4.5	4.5	4.5	3.8	3.8	3.8	3.8	3.8	3.8
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)