

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: P634371

Luminaire Tested: GWS-SA3B-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634371
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 6570.2 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

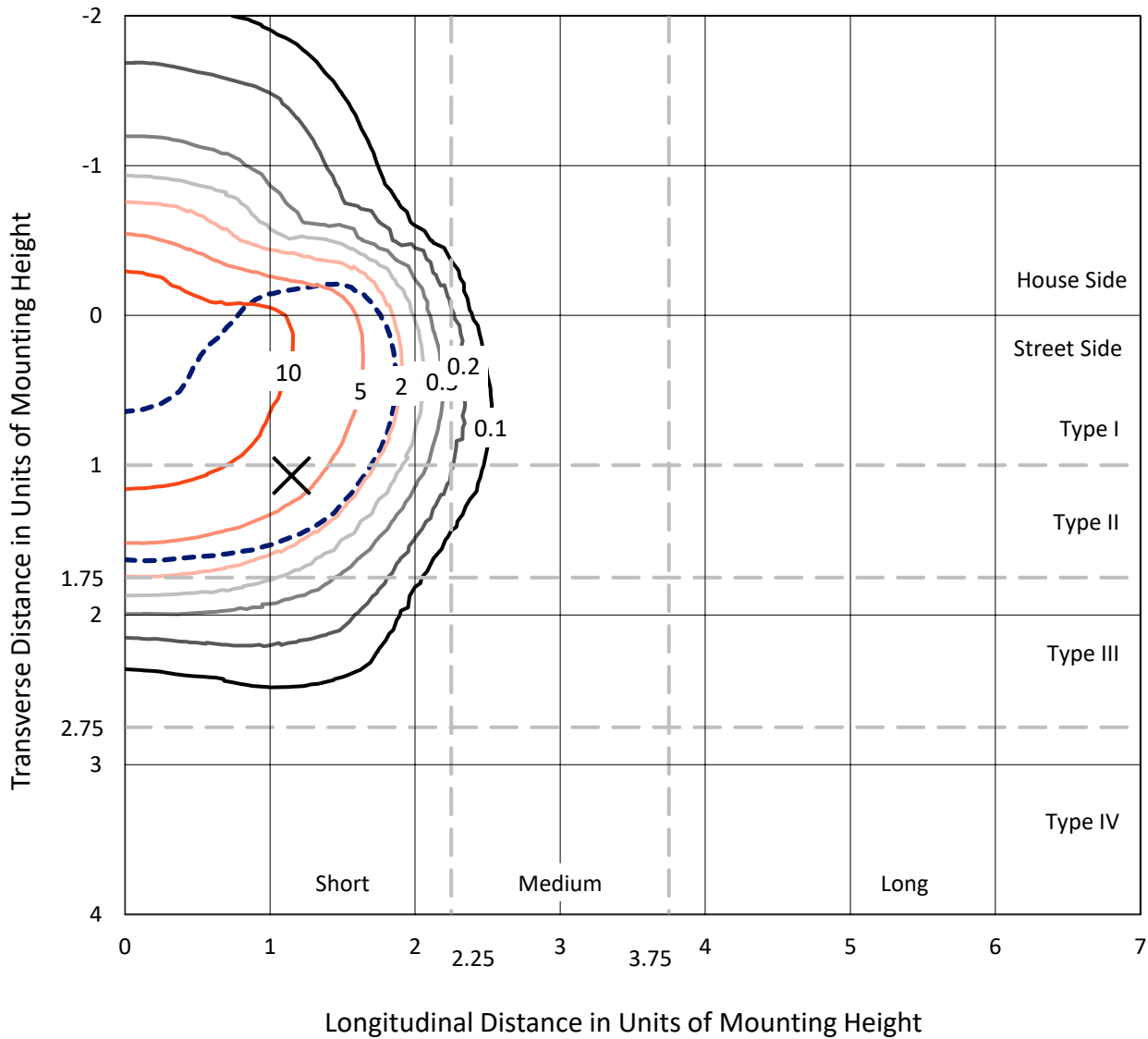
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

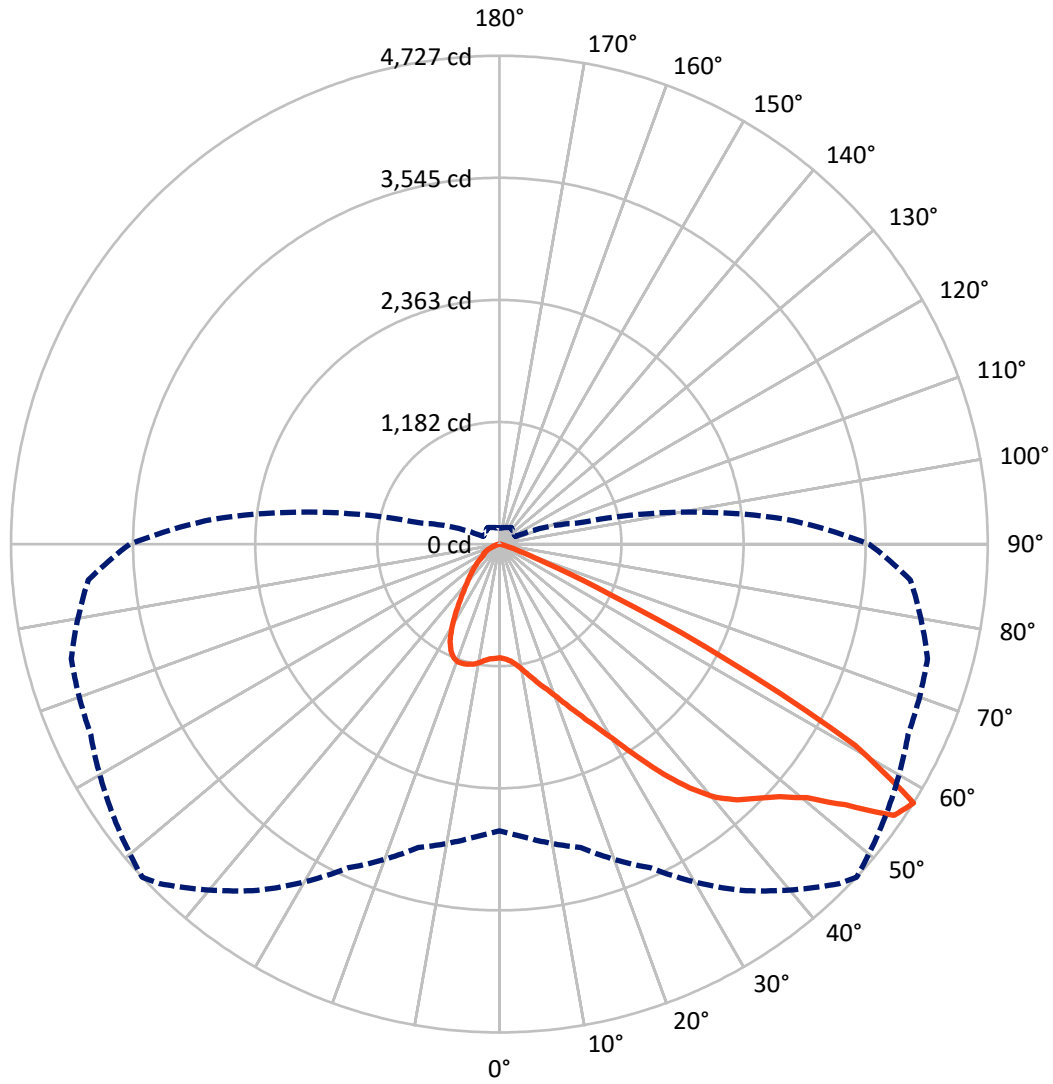
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1425.4	0.0	1425.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	5144.8	0.0	5144.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	6570.2	0.0	6570.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	1.7
10°-20°	369.2	5.6
20°-30°	685.6	10.4
30°-40°	1097.4	16.7
40°-50°	1604.2	24.4
50°-60°	1979.9	30.1
60°-70°	661.6	10.1
70°-80°	61.6	0.9
80°-90°	1.3	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°	6570.2	100.0
0°-180°	6570.2	100.0

Coefficient of Utilization



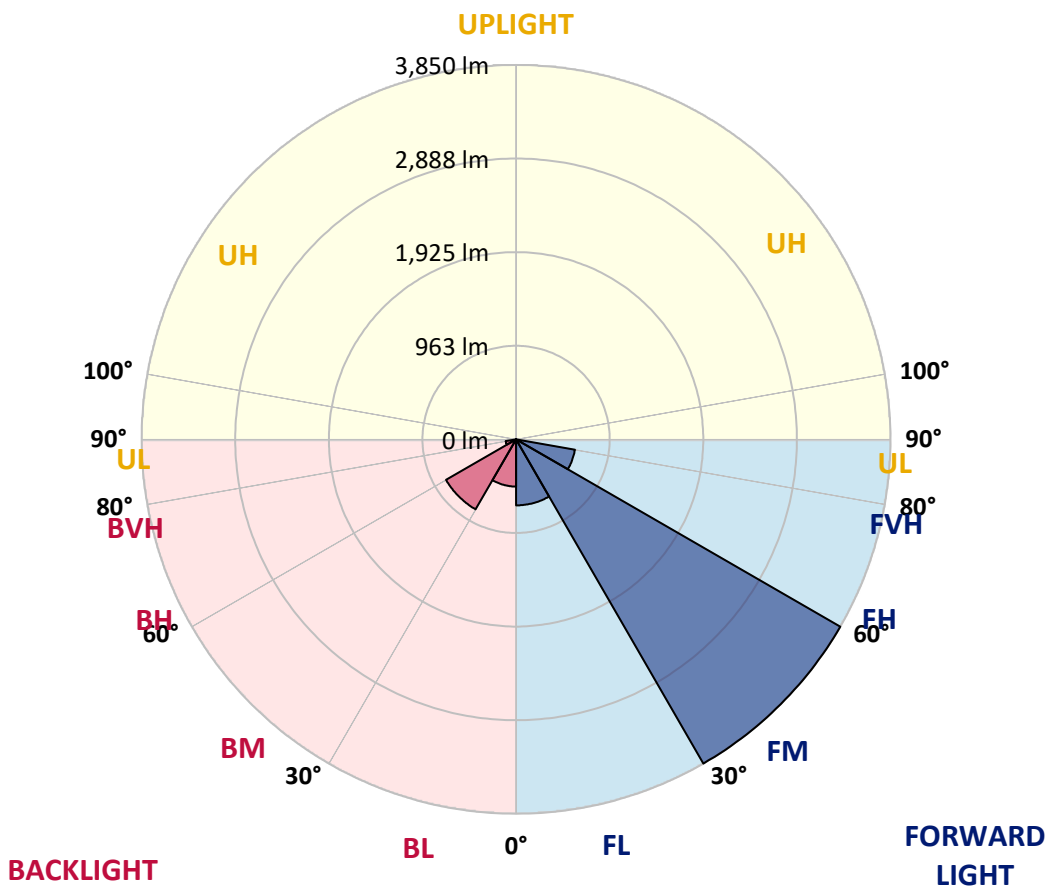
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	679.0	10.3			
FM (30°-60°)	3850.1	58.6			
FH (60°-80°)	614.8	9.4			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	485.2	7.4	B1/500		
BM (30°-60°)	831.4	12.7	B1/1000		
BH (60°-80°)	108.4	1.6	B0/110		G0/110
BVH (80°-90°)	0.4	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9
2.5°	1111.3	1110.5	1109.8	1114.4	1112.8	1112.1	1113.6	1113.6	1113.6	1109.0	1099.9
5°	1138.0	1138.0	1137.2	1141.8	1138.0	1135.7	1136.5	1136.5	1133.4	1125.0	1113.6
7.5°	1179.9	1178.4	1176.9	1181.5	1177.7	1176.9	1178.4	1173.8	1168.5	1154.8	1138.8
10°	1240.2	1240.2	1237.9	1242.5	1239.4	1237.9	1237.9	1234.9	1224.9	1203.6	1179.9
12.5°	1323.3	1319.5	1314.2	1310.4	1308.8	1308.1	1308.8	1304.3	1293.6	1266.1	1233.3
15°	1414.1	1411.1	1402.7	1396.6	1388.2	1386.6	1391.2	1387.4	1376.7	1339.4	1292.8
17.5°	1528.5	1532.3	1511.0	1498.0	1473.6	1472.1	1473.6	1479.7	1472.1	1424.0	1356.1
20°	1626.1	1629.2	1613.2	1604.0	1581.9	1572.0	1575.0	1585.0	1576.6	1520.1	1425.5
22.5°	1730.6	1734.5	1717.7	1698.6	1688.7	1688.7	1700.1	1713.9	1702.4	1628.4	1504.9
25°	1855.7	1858.8	1845.0	1819.9	1802.3	1824.5	1841.2	1877.8	1858.8	1758.1	1598.7
27.5°	1999.1	1999.9	1980.1	1954.1	1945.0	1986.2	2002.9	2059.4	2051.7	1903.8	1697.8
30°	2152.4	2153.2	2148.6	2131.1	2122.7	2176.8	2199.7	2281.3	2276.0	2084.5	1832.8
32.5°	2311.8	2311.8	2320.2	2318.7	2328.6	2417.1	2453.7	2546.8	2541.4	2305.7	2000.6
35°	2472.0	2472.8	2487.3	2523.9	2565.1	2682.5	2730.6	2843.5	2831.3	2570.4	2215.0
37.5°	2654.3	2646.7	2666.5	2721.4	2813.0	2948.7	2994.5	3102.0	3088.3	2841.2	2494.9
40°	2874.0	2860.2	2860.2	2924.3	3028.0	3184.4	3223.3	3276.7	3230.2	3060.1	2769.5
42.5°	3116.5	3103.6	3086.8	3143.2	3230.2	3352.2	3384.2	3369.7	3331.6	3266.8	3082.2
45°	3362.1	3342.3	3353.7	3388.1	3438.4	3496.4	3508.6	3441.4	3423.9	3442.2	3340.8
47.5°	3549.0	3535.3	3563.5	3611.5	3652.7	3661.1	3652.7	3559.7	3558.1	3623.0	3520.0
50°	3611.5	3613.1	3690.9	3796.1	3862.5	3869.3	3857.9	3751.1	3736.6	3755.7	3616.9
52.5°	3617.6	3623.7	3737.4	3938.0	4118.7	4201.1	4192.0	4076.8	3934.9	3914.3	3763.3
55°	3470.4	3506.3	3664.9	3957.8	4342.2	4605.4	4635.9	4415.5	4204.9	4187.4	4078.3
57.5°	2774.1	2847.3	3038.7	3455.9	4092.8	4647.3	4726.6	4568.0	4364.3	4289.6	3993.7
60°	1658.2	1748.9	1932.8	2444.6	3115.0	3819.8	3956.3	3978.4	3884.6	3668.7	3063.9
62.5°	711.6	704.0	930.5	1322.6	1852.7	2427.8	2489.6	2585.7	2667.3	2441.5	1859.5
65°	244.1	265.4	369.2	596.5	927.5	1127.3	1182.2	1268.4	1384.4	1142.6	681.1
67.5°	151.0	160.2	212.8	352.4	500.4	492.7	468.3	454.6	442.4	302.8	186.9
70°	109.8	117.5	149.5	242.5	336.4	236.4	205.2	166.3	184.6	170.1	132.7
72.5°	74.0	80.1	103.0	147.2	172.4	115.2	106.8	121.3	146.4	139.6	108.3
75°	44.2	48.1	58.7	71.7	70.2	59.5	60.3	85.4	112.1	104.5	77.0
77.5°	30.5	32.0	38.9	46.5	34.3	18.3	16.8	23.6	38.1	38.1	25.9
80°	7.6	9.9	9.9	6.1	5.3	4.6	4.6	6.9	10.7	7.6	3.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
87.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
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°	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9	1099.9
2.5°	1105.2	1096.0	1102.1	1100.6	1105.2	1106.7	1099.9	1098.3	1099.1	1089.9	1086.9
5°	1115.9	1105.2	1108.2	1105.2	1110.5	1115.1	1112.8	1115.9	1119.7	1112.8	1109.8
7.5°	1138.8	1128.1	1127.3	1122.7	1130.4	1133.4	1132.7	1141.0	1148.7	1144.1	1139.5
10°	1178.4	1163.9	1162.4	1158.6	1160.9	1163.2	1154.8	1156.3	1163.2	1157.8	1155.5
12.5°	1227.2	1209.7	1205.9	1196.7	1196.7	1185.3	1167.0	1163.2	1168.5	1164.7	1160.9
15°	1279.9	1256.2	1250.1	1234.1	1218.8	1197.5	1178.4	1173.8	1177.7	1173.1	1170.0
17.5°	1338.6	1311.9	1292.1	1263.8	1230.3	1205.1	1183.8	1173.8	1167.7	1158.6	1157.8
20°	1396.6	1361.5	1327.9	1282.9	1238.7	1200.5	1165.5	1139.5	1117.4	1103.7	1098.3
22.5°	1463.7	1411.8	1357.7	1294.4	1231.0	1173.1	1111.3	1067.1	1028.9	1016.0	1009.9
25°	1535.4	1468.3	1387.4	1305.0	1205.1	1112.1	1028.2	962.6	912.2	895.4	888.6
27.5°	1614.7	1522.4	1417.9	1302.7	1151.7	1025.1	913.8	832.1	782.6	767.3	772.6
30°	1715.4	1592.6	1456.1	1279.1	1071.6	903.1	772.6	704.0	666.6	652.1	652.9
32.5°	1849.6	1693.3	1511.7	1228.8	968.7	764.3	649.8	599.5	574.3	555.3	553.7
35°	2041.8	1846.6	1563.6	1147.9	843.6	640.7	557.6	517.9	482.8	460.7	464.5
37.5°	2272.2	2039.5	1591.8	1038.8	703.2	544.6	488.1	447.7	408.1	375.3	379.1
40°	2545.2	2292.0	1589.5	895.4	575.1	479.0	430.2	382.9	333.3	303.6	306.6
42.5°	2849.6	2530.7	1540.0	743.7	476.7	425.6	374.5	315.0	267.0	248.7	249.4
45°	3113.5	2724.5	1453.0	586.5	401.2	373.7	316.5	255.5	234.2	221.2	220.4
47.5°	3308.7	2866.3	1328.7	461.5	340.2	326.4	260.1	228.8	212.0	201.4	199.8
50°	3417.8	2915.9	1191.4	361.5	287.5	276.9	232.6	207.5	196.0	189.2	187.6
52.5°	3564.2	2975.4	1093.0	285.3	241.0	226.5	214.3	193.0	185.3	180.0	177.7
55°	3796.1	3090.6	1007.6	226.5	200.6	197.5	202.1	184.6	180.0	171.6	168.6
57.5°	3578.0	2776.3	782.6	175.4	169.3	180.8	195.3	176.2	164.7	157.1	154.1
60°	2517.8	1845.8	393.6	141.1	151.0	169.3	183.8	159.4	148.0	149.5	148.0
62.5°	1388.2	923.7	177.0	118.2	131.2	149.5	157.1	138.1	130.4	143.4	145.7
65°	453.8	314.2	102.2	91.5	103.7	122.0	135.8	131.2	129.7	144.9	149.5
67.5°	139.6	103.7	69.4	65.6	71.7	90.0	114.4	141.9	152.5	157.1	159.4
70°	104.5	81.6	59.5	55.7	58.7	68.6	96.9	118.2	111.4	112.1	110.6
72.5°	83.9	64.8	51.1	48.8	48.8	47.3	51.1	64.1	72.5	76.3	76.3
75°	58.7	45.8	38.9	35.8	28.2	22.9	20.6	20.6	18.3	17.5	16.8
77.5°	19.8	16.8	15.3	12.2	8.4	6.9	6.1	5.3	3.8	2.3	1.5
80°	3.1	2.3	1.5	1.5	1.5	0.8	0.8	0.8	0.0	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	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)