

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: P634748

Luminaire Tested: GWS-SA3C-735-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634748
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-SA3C-735-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8172.4 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

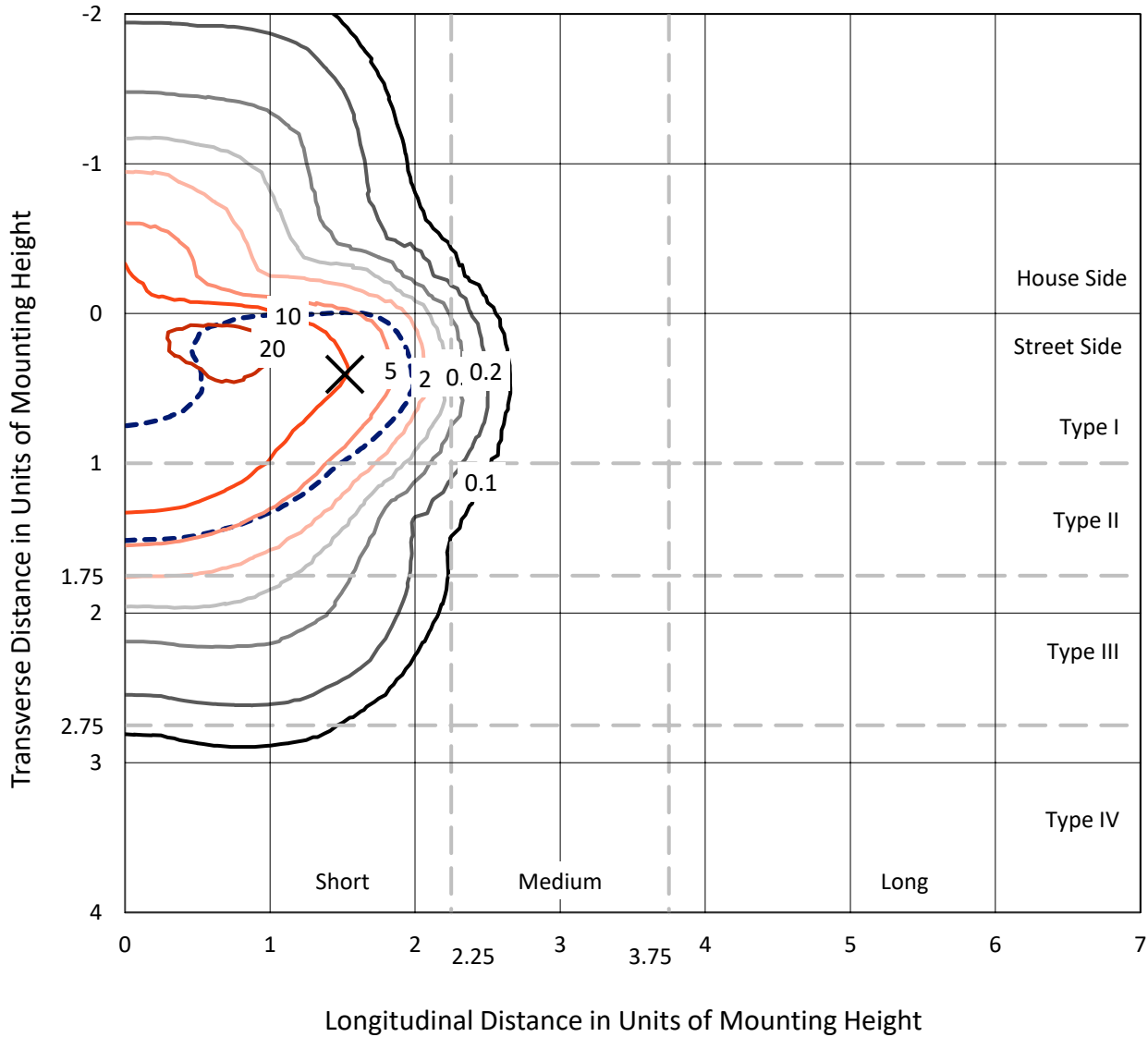
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634748
 CATALOG NUMBER: GWS-SA3C-735-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

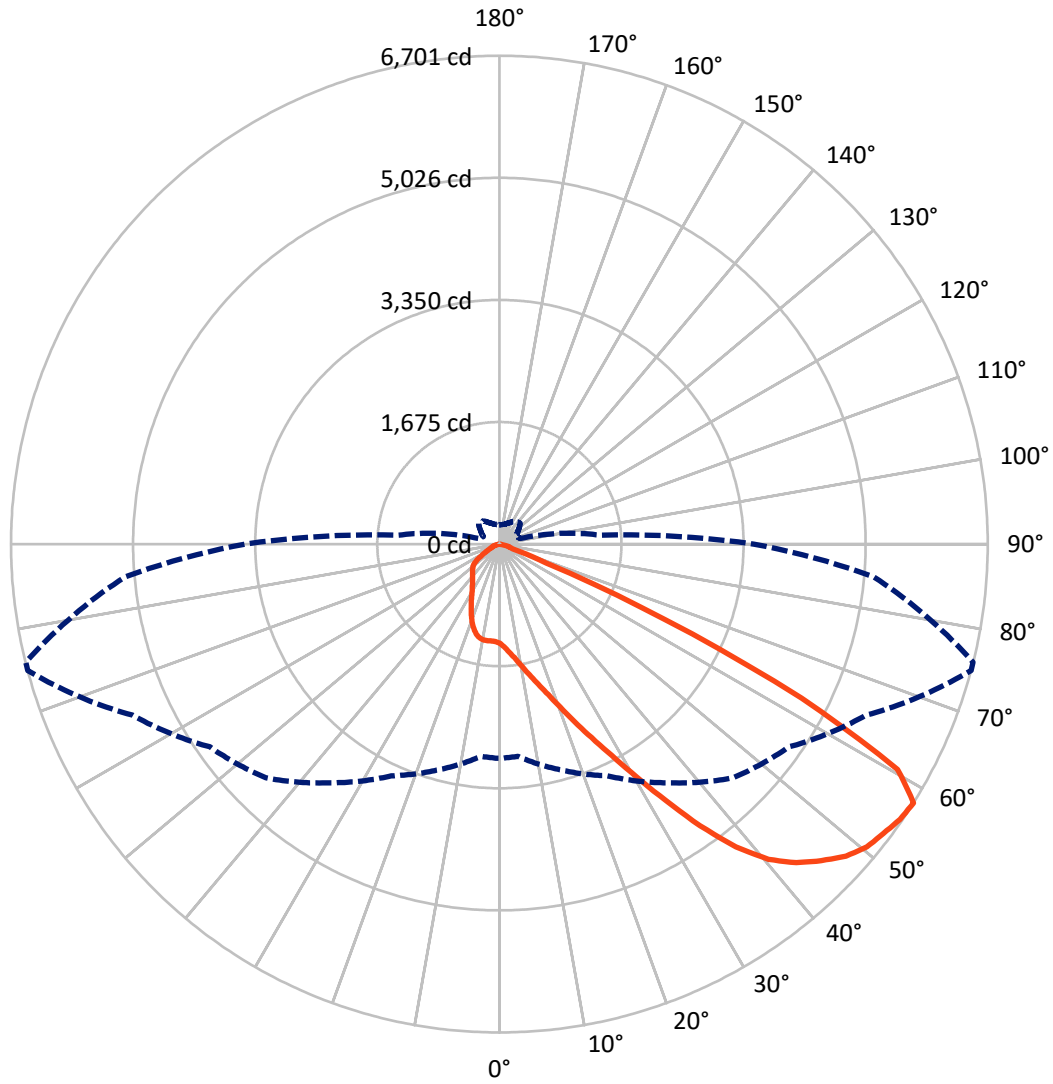
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.5 fc
 Type II - Short - N/A

REPORT NUMBER: P634748
CATALOG NUMBER: GWS-SA3C-735-U-T2-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634748

CATALOG NUMBER: GWS-SA3C-735-U-T2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1334.9	0.0	1334.9
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	6837.5	0.0	6837.5
	% Fixture	83.7	0.0	83.7
Total	Lumens	8172.4	0.0	8172.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	1.7
10°-20°	450.6	5.5
20°-30°	825.1	10.1
30°-40°	1368.9	16.8
40°-50°	2090.6	25.6
50°-60°	2349.2	28.7
60°-70°	866.5	10.6
70°-80°	82.8	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°	8172.4	100.0
0°-180°	8172.4	100.0

Coefficient of Utilization



REPORT NUMBER: P634748

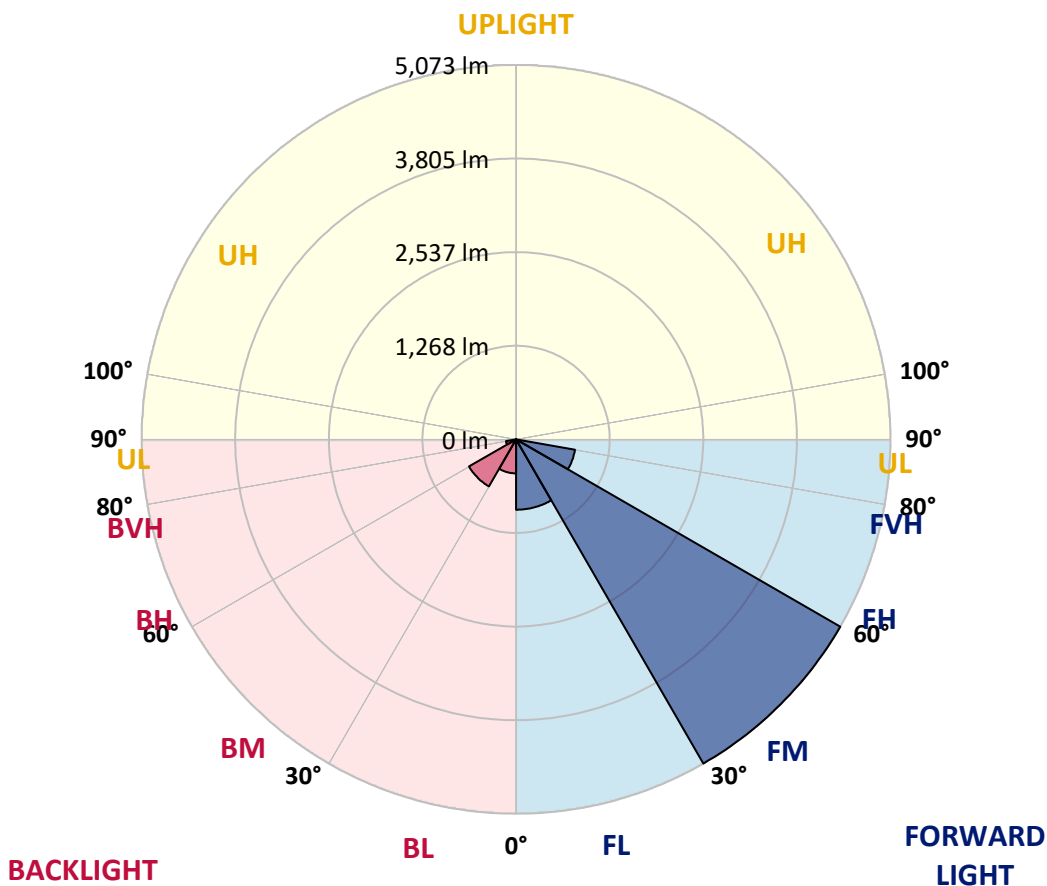
CATALOG NUMBER: GWS-SA3C-735-U-T2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	953.7	11.7			
FM (30°-60°)	5073.0	62.1			
FH (60°-80°)	810.7	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	460.6	5.6	B1/500		
BM (30°-60°)	735.6	9.0	B1/1000		
BH (60°-80°)	138.6	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: B1-U0-G1

Type II Short





REPORT NUMBER: P634748

CATALOG NUMBER: GWS-SA3C-735-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0
2.5°	1522.8	1538.6	1533.7	1523.8	1517.9	1497.2	1484.4	1446.9	1420.2	1417.3	1392.6
5°	1715.1	1712.2	1708.2	1696.4	1686.5	1654.0	1615.5	1552.4	1496.2	1489.3	1437.0
7.5°	1820.7	1822.7	1824.6	1822.7	1815.7	1791.1	1748.7	1674.7	1588.9	1583.0	1500.1
10°	1864.1	1868.0	1877.9	1896.6	1913.4	1911.4	1886.8	1810.8	1705.3	1695.4	1584.0
12.5°	1884.8	1889.7	1905.5	1941.0	1986.4	2021.9	2025.8	1957.8	1841.4	1825.6	1683.6
15°	1913.4	1918.3	1938.0	1984.4	2050.5	2120.5	2165.9	2122.5	1992.3	1975.5	1793.1
17.5°	1926.2	1933.1	1961.7	2022.9	2108.7	2216.2	2318.8	2314.8	2170.8	2158.0	1920.3
20°	1950.9	1955.8	1981.4	2047.5	2151.1	2305.9	2478.5	2540.7	2388.8	2370.0	2074.2
22.5°	2028.8	2030.8	2042.6	2084.0	2180.7	2371.0	2641.3	2804.0	2646.2	2621.5	2246.8
25°	2156.0	2155.0	2160.0	2166.9	2237.9	2437.1	2798.1	3100.9	2941.1	2914.5	2442.0
27.5°	2317.8	2317.8	2329.6	2309.9	2338.5	2519.0	2952.9	3442.1	3284.3	3246.8	2656.1
30°	2508.1	2507.1	2534.7	2503.2	2512.1	2648.2	3119.6	3814.0	3698.6	3652.2	2902.6
32.5°	2766.5	2760.6	2792.2	2748.8	2719.2	2843.5	3322.8	4202.6	4194.7	4123.6	3212.3
35°	3093.0	3083.1	3093.0	3050.6	2997.3	3116.7	3589.1	4590.2	4745.0	4670.0	3581.2
37.5°	3417.5	3449.0	3459.9	3386.9	3343.5	3462.8	3909.6	4937.3	5270.7	5192.8	3964.9
40°	3800.1	3790.3	3827.8	3745.9	3718.3	3850.4	4223.3	5195.7	5686.9	5612.9	4306.1
42.5°	4082.2	4100.0	4146.3	4101.0	4079.3	4203.5	4486.6	5346.6	5975.9	5902.9	4549.7
45°	4420.5	4433.3	4451.1	4413.6	4390.9	4513.2	4677.0	5412.7	6195.8	6116.9	4713.4
47.5°	4786.4	4796.3	4796.3	4719.4	4646.4	4696.7	4804.2	5450.2	6398.0	6322.1	4834.8
50°	5048.8	5053.7	5097.1	5042.9	4884.1	4806.2	4862.4	5486.7	6532.1	6461.1	4874.2
52.5°	4816.0	4810.1	4953.1	5065.5	5108.0	4953.1	4963.0	5539.9	6597.2	6536.1	4905.8
55°	4055.6	4045.7	4246.9	4520.1	4893.9	5092.2	5084.3	5571.5	6669.2	6631.8	5020.2
57.5°	2940.1	2923.3	3203.4	3507.2	3997.4	4534.9	4850.5	5553.8	6700.8	6697.8	5153.3
60°	1767.4	1753.6	2017.9	2337.5	2716.2	3256.7	3780.4	4974.8	6278.7	6284.6	4807.1
62.5°	1087.9	1100.7	1339.4	1502.1	1643.1	1805.9	2108.7	3346.5	4651.3	4689.8	3378.0
65°	731.8	741.7	962.6	1167.8	1167.8	954.7	819.6	1599.8	2481.5	2416.4	1597.8
67.5°	491.2	502.0	676.6	916.3	950.8	665.7	332.4	477.4	691.4	670.7	395.5
70°	289.0	300.8	450.7	628.3	692.4	463.6	221.9	202.2	196.3	190.4	153.9
72.5°	129.2	134.1	229.8	319.6	291.9	195.3	156.8	161.8	152.9	149.9	125.3
75°	39.5	41.4	59.2	69.0	70.0	70.0	94.7	127.2	120.3	121.3	96.7
77.5°	9.9	9.9	15.8	14.8	7.9	6.9	17.8	28.6	29.6	26.6	19.7
80°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
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: P634748

CATALOG NUMBER: GWS-SA3C-735-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0	1363.0
2.5°	1381.8	1356.1	1339.4	1315.7	1298.9	1281.2	1265.4	1252.6	1245.7	1243.7	1244.7
5°	1413.3	1372.9	1333.5	1288.1	1256.5	1226.9	1203.3	1184.5	1175.6	1172.7	1172.7
7.5°	1461.7	1405.5	1335.4	1264.4	1211.2	1164.8	1137.2	1116.5	1108.6	1106.6	1100.7
10°	1524.8	1447.9	1332.5	1222.0	1147.0	1098.7	1079.0	1073.1	1076.0	1077.0	1076.0
12.5°	1600.7	1492.2	1313.7	1159.9	1079.0	1049.4	1051.4	1067.2	1084.9	1093.8	1095.8
15°	1681.6	1532.7	1271.3	1085.9	1020.8	1019.8	1048.4	1084.9	1119.4	1134.2	1138.2
17.5°	1772.3	1565.2	1206.2	1007.0	970.5	999.1	1050.4	1106.6	1153.0	1177.6	1182.6
20°	1872.0	1591.9	1123.4	933.0	926.1	977.4	1048.4	1117.5	1174.7	1202.3	1207.2
22.5°	1975.5	1610.6	1027.7	865.0	885.7	952.7	1029.7	1096.7	1151.0	1182.6	1186.5
25°	2093.9	1612.6	930.1	807.8	848.2	919.2	984.3	1039.5	1084.9	1112.5	1115.5
27.5°	2197.4	1588.9	843.3	761.4	813.7	877.8	921.2	951.8	983.3	999.1	1000.1
30°	2316.8	1547.5	761.4	723.9	778.2	826.5	848.2	855.1	858.1	861.0	857.1
32.5°	2458.8	1497.2	700.3	687.4	737.7	770.3	776.2	762.4	745.6	722.0	716.0
35°	2633.4	1451.8	650.0	651.9	693.4	713.1	708.2	678.6	646.0	617.4	612.5
37.5°	2822.7	1413.3	611.5	617.4	645.0	658.8	644.0	611.5	596.7	572.0	573.0
40°	2990.4	1381.8	577.0	582.9	595.7	608.5	584.9	563.2	590.8	588.8	590.8
42.5°	3109.7	1355.2	547.4	544.4	553.3	562.2	544.4	533.6	579.9	567.1	574.0
45°	3179.8	1330.5	522.7	505.0	518.8	534.6	522.7	508.9	524.7	465.5	460.6
47.5°	3227.1	1316.7	501.0	466.5	491.2	518.8	494.1	460.6	437.9	386.6	382.7
50°	3232.0	1309.8	475.4	427.1	458.6	488.2	459.6	413.3	380.7	358.0	355.1
52.5°	3257.7	1323.6	439.9	376.8	411.3	458.6	438.9	392.5	348.2	328.4	324.5
55°	3372.1	1381.8	380.7	307.7	358.0	435.9	422.1	350.1	307.7	295.9	292.9
57.5°	3490.5	1393.6	299.8	243.6	311.7	403.4	385.6	322.5	281.1	267.3	264.3
60°	3191.6	1148.0	224.9	201.2	275.2	372.8	357.0	305.7	257.4	240.7	237.7
62.5°	2096.8	620.4	178.5	170.6	231.8	315.6	325.5	276.2	229.8	212.1	211.1
65°	966.6	288.0	137.1	135.1	181.5	251.5	280.1	241.6	194.3	178.5	178.5
67.5°	263.3	143.0	107.5	99.6	123.3	168.7	204.2	180.5	138.1	119.3	118.4
70°	131.2	115.4	96.7	85.8	88.8	104.5	120.3	100.6	70.0	57.2	56.2
72.5°	107.5	94.7	81.9	73.0	67.1	64.1	62.1	50.3	32.5	24.7	23.7
75°	79.9	68.1	58.2	47.3	40.4	37.5	33.5	24.7	13.8	7.9	6.9
77.5°	17.8	16.8	15.8	11.8	10.8	8.9	6.9	4.9	2.0	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	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)