

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: P634564

Luminaire Tested: GWS-SA3C-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6033.5 lumens
Efficiency: N/A
Efficacy: 64.9 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

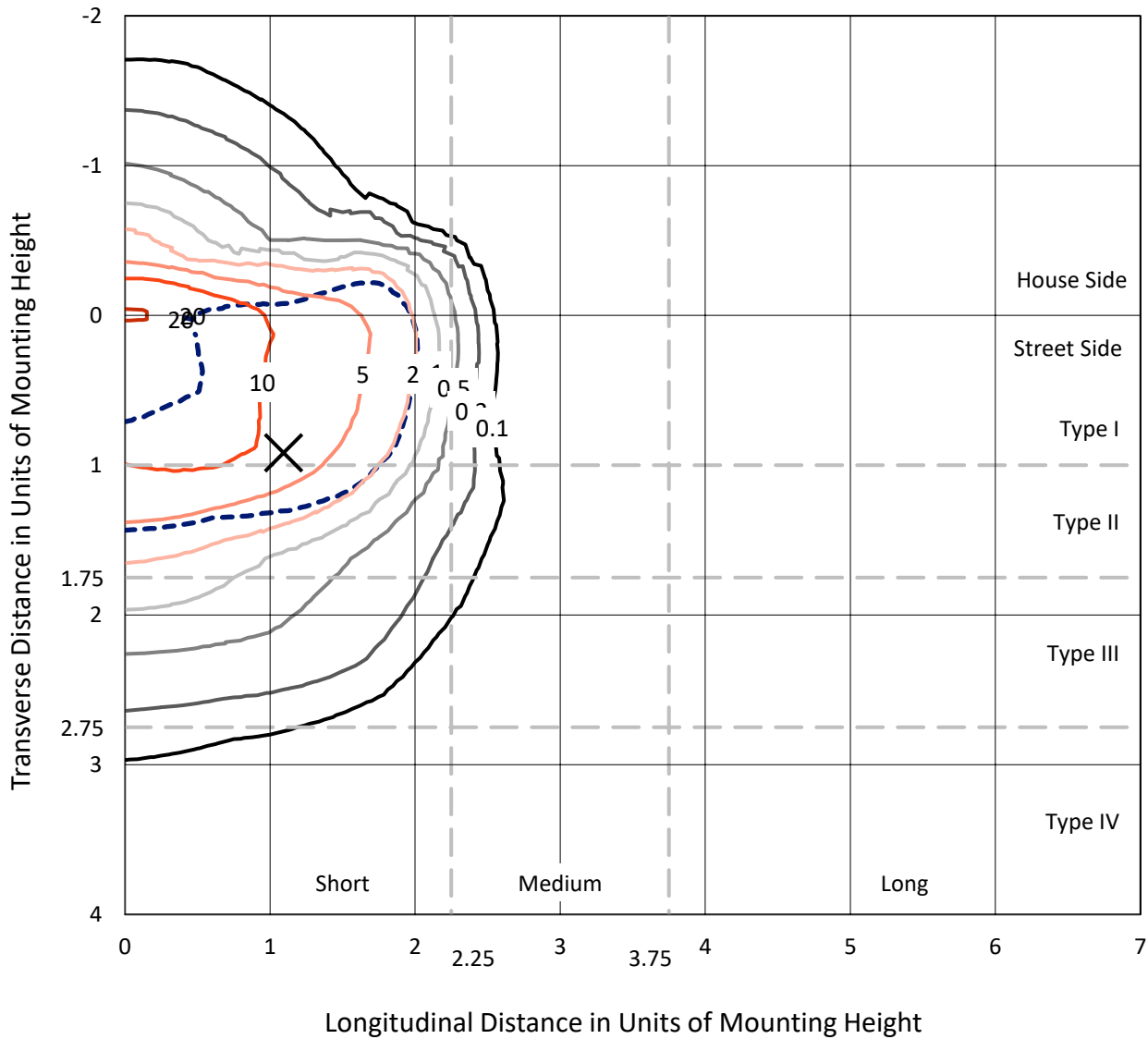
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634564
 CATALOG NUMBER: GWS-SA3C-722-U-SL2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

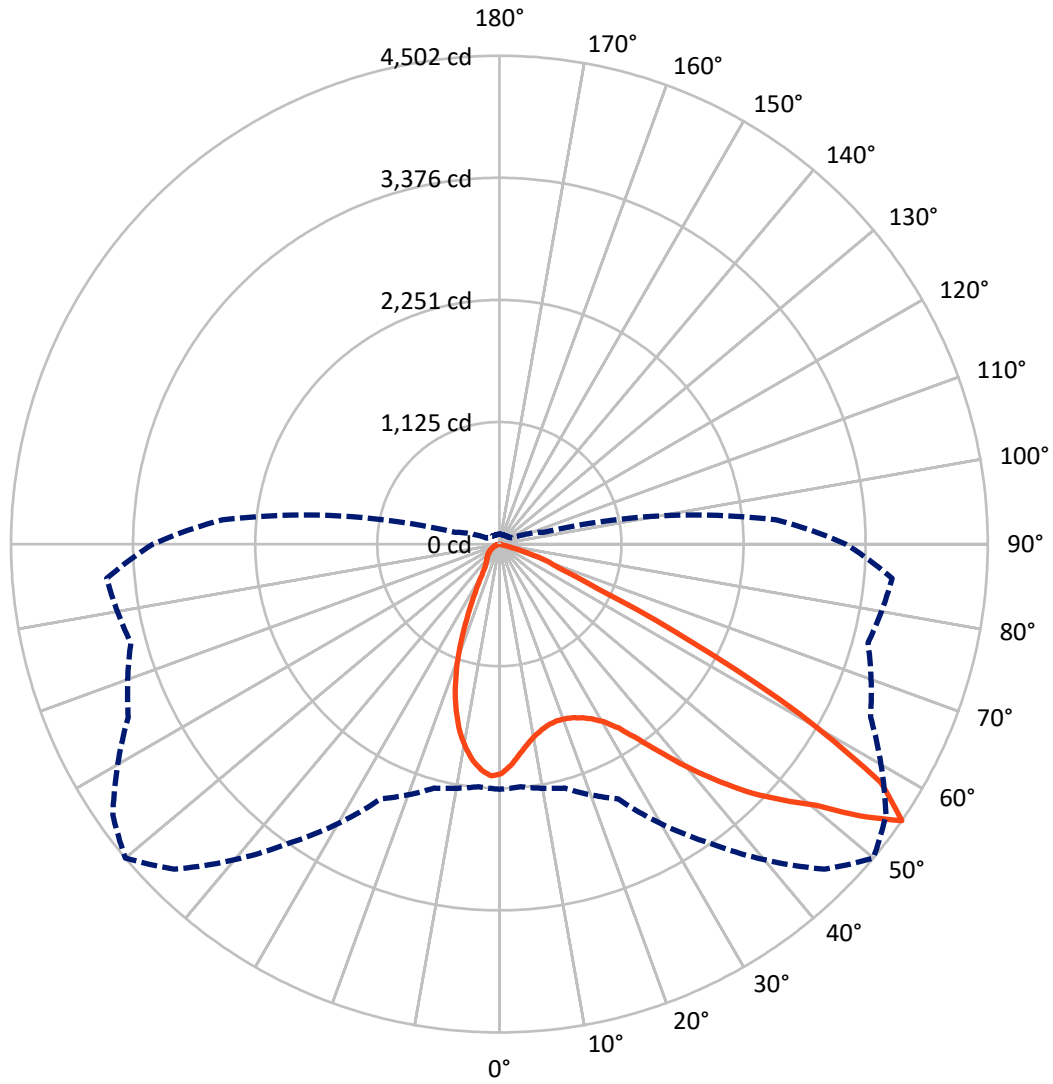
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.2 fc
 Type II - Short - N/A

REPORT NUMBER: P634564
CATALOG NUMBER: GWS-SA3C-722-U-SL2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P634564
 CATALOG NUMBER: GWS-SA3C-722-U-SL2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1188.9	0.0	1188.9
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	4844.6	0.0	4844.6
	% Fixture	80.3	0.0	80.3
Total	Lumens	6033.5	0.0	6033.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.9	3.1
10°-20°	457.5	7.6
20°-30°	645.3	10.7
30°-40°	954.9	15.8
40°-50°	1377.6	22.8
50°-60°	1625.0	26.9
60°-70°	724.9	12.0
70°-80°	62.3	1.0
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°	6033.5	100.0
0°-180°	6033.5	100.0

Coefficient of Utilization



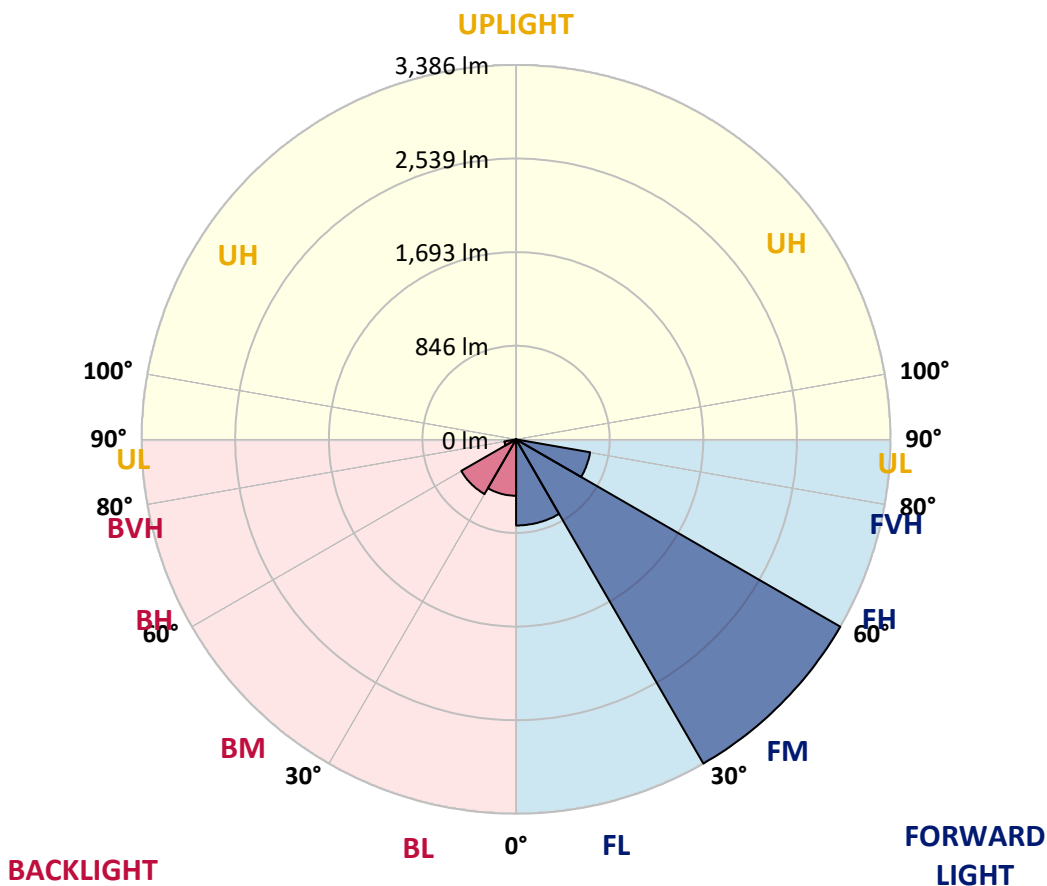
REPORT NUMBER: P634564

CATALOG NUMBER: GWS-SA3C-722-U-SL2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	778.9	12.9			
FM (30°-60°)	3385.8	56.1			
FH (60°-80°)	679.9	11.3			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	509.7	8.4	B2/1000		
BM (30°-60°)	571.8	9.5	B1/1000		
BH (60°-80°)	107.3	1.8	B0/110		G0/110
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: P634564

CATALOG NUMBER: GWS-SA3C-722-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9
2.5°	1966.6	1968.1	1968.8	1988.7	1996.1	2025.6	2041.0	2049.1	2070.5	2095.5	2116.2
5°	1834.8	1832.6	1836.3	1861.3	1877.5	1921.0	1944.5	1960.7	2007.9	2066.8	2116.2
7.5°	1719.9	1724.3	1728.7	1756.0	1780.3	1827.4	1861.3	1885.6	1951.2	2038.8	2122.0
10°	1638.9	1638.9	1645.5	1676.4	1705.1	1763.3	1797.2	1828.2	1906.2	2013.8	2128.7
12.5°	1579.2	1579.9	1588.0	1623.4	1656.5	1716.9	1752.3	1782.5	1868.7	1988.7	2130.1
15°	1551.2	1549.0	1555.6	1593.2	1630.0	1686.7	1723.6	1753.0	1842.1	1974.7	2137.5
17.5°	1543.8	1542.4	1547.5	1584.4	1621.9	1677.2	1713.2	1742.7	1838.5	1979.1	2159.6
20°	1565.2	1562.3	1560.0	1591.7	1627.1	1681.6	1719.1	1752.3	1856.1	2003.5	2193.5
22.5°	1616.0	1616.0	1610.9	1626.3	1649.9	1699.3	1738.3	1781.8	1902.5	2052.1	2243.6
25°	1709.6	1702.2	1692.6	1699.3	1696.3	1727.2	1773.6	1834.0	1990.2	2132.4	2304.7
27.5°	1816.4	1823.0	1806.8	1807.5	1781.8	1770.7	1824.5	1915.8	2120.6	2245.8	2395.3
30°	1961.5	1956.3	1957.1	1954.8	1895.2	1842.9	1901.1	2022.6	2284.8	2418.9	2513.2
32.5°	2074.9	2082.3	2106.6	2120.6	2042.5	1958.5	2020.4	2167.7	2471.9	2616.3	2657.5
35°	2195.0	2208.2	2257.6	2303.2	2237.7	2141.2	2207.5	2360.0	2648.0	2811.5	2823.3
37.5°	2321.7	2348.2	2407.1	2487.4	2477.1	2391.6	2452.0	2586.1	2786.4	2929.3	2960.3
40°	2466.8	2492.5	2589.0	2704.7	2729.0	2709.8	2729.7	2807.8	2877.8	2934.5	3019.2
42.5°	2625.9	2661.2	2783.5	2938.2	3029.5	3046.4	3000.0	2991.9	2917.5	2875.5	3006.7
45°	2813.7	2854.9	2993.4	3193.7	3338.8	3361.7	3281.4	3177.5	2942.6	2832.1	2969.1
47.5°	3024.3	3063.4	3201.1	3442.0	3657.8	3666.6	3526.7	3359.5	3017.0	2882.2	2997.8
50°	3095.0	3119.4	3238.7	3521.5	3919.3	3987.0	3784.5	3564.2	3166.5	3029.5	3137.8
52.5°	2852.0	2861.6	2965.4	3251.2	3866.2	4301.5	4160.9	3869.9	3432.4	3254.1	3353.6
55°	2259.8	2244.3	2328.3	2590.5	3360.2	4237.5	4501.9	4350.2	3774.9	3517.8	3634.2
57.5°	1580.7	1562.3	1543.1	1720.6	2507.3	3592.2	4148.3	4417.2	4101.2	3779.3	3936.9
60°	1299.3	1281.6	1188.8	1107.1	1515.9	2579.4	3186.4	3692.4	4074.7	3766.1	3927.4
62.5°	1122.5	1112.2	1074.6	963.4	892.0	1472.4	1995.4	2480.0	3126.7	2957.3	2966.1
65°	881.7	878.7	904.5	916.3	788.9	814.6	1017.9	1289.0	1690.4	1593.9	1511.4
67.5°	602.5	595.9	644.5	792.5	758.7	643.0	595.9	601.0	731.4	447.1	355.0
70°	383.0	367.5	368.3	491.3	617.2	507.5	459.6	404.4	363.9	66.3	75.1
72.5°	245.3	235.7	202.6	221.7	285.8	247.5	249.7	215.1	143.6	35.4	41.2
75°	103.1	95.0	72.9	58.2	57.5	36.1	31.7	29.5	19.9	19.9	21.4
77.5°	0.7	0.0	0.0	0.7	1.5	0.7	0.7	1.5	2.9	4.4	5.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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: P634564

CATALOG NUMBER: GWS-SA3C-722-U-SL2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9	2116.9
2.5°	2128.7	2111.0	2130.9	2138.2	2137.5	2138.2	2116.9	2102.2	2101.4	2083.0	2074.2
5°	2136.8	2122.8	2137.5	2127.9	2105.1	2076.4	2038.1	2004.9	1990.2	1968.8	1958.5
7.5°	2152.2	2137.5	2135.3	2097.0	2040.3	1979.9	1912.1	1851.7	1819.3	1780.3	1782.5
10°	2163.3	2146.3	2117.6	2039.5	1945.3	1848.8	1747.9	1658.0	1601.3	1549.0	1540.2
12.5°	2167.7	2142.7	2075.6	1957.8	1825.2	1699.3	1551.2	1423.0	1334.7	1266.2	1256.6
15°	2175.8	2135.3	2021.9	1859.1	1677.2	1498.9	1310.3	1135.0	1017.9	939.1	945.7
17.5°	2188.3	2127.2	1961.5	1748.6	1518.1	1266.2	1011.3	810.2	702.7	657.0	657.8
20°	2206.0	2117.6	1895.2	1627.1	1327.3	1003.2	707.1	555.4	525.2	523.7	521.5
22.5°	2229.6	2108.0	1824.5	1493.8	1101.2	702.7	470.7	423.5	436.0	460.4	464.8
25°	2257.6	2096.3	1745.7	1343.5	854.4	461.1	352.8	345.4	375.6	408.1	415.4
27.5°	2301.0	2090.4	1655.8	1172.6	599.6	330.7	288.7	293.2	320.4	347.7	354.3
30°	2374.7	2101.4	1557.8	981.1	385.2	263.7	250.4	257.1	271.8	285.8	291.7
32.5°	2474.9	2133.8	1462.8	771.9	274.7	229.1	226.1	229.8	235.7	243.8	246.0
35°	2592.0	2189.8	1364.9	552.4	226.9	209.2	206.2	206.2	209.2	210.7	211.4
37.5°	2688.5	2248.7	1272.8	367.5	203.3	193.7	189.3	187.1	186.4	187.8	188.6
40°	2730.4	2273.0	1172.6	267.4	186.4	179.7	173.1	166.5	166.5	171.6	172.4
42.5°	2701.0	2245.8	1057.0	221.0	174.6	165.0	154.7	148.8	151.7	156.9	158.4
45°	2638.4	2178.8	929.5	195.2	162.8	150.3	138.5	134.8	137.7	144.4	145.8
47.5°	2628.1	2134.6	777.1	178.2	150.3	137.7	125.2	121.5	125.2	130.4	131.8
50°	2730.4	2172.9	607.7	163.5	138.5	124.5	114.2	110.5	112.7	115.6	117.1
52.5°	2917.5	2315.0	490.6	149.5	124.5	111.2	104.6	100.2	100.2	103.1	103.9
55°	3193.7	2563.2	423.5	133.3	108.3	100.9	95.0	90.6	90.6	92.1	92.8
57.5°	3511.9	2863.8	439.0	112.0	95.0	91.3	86.2	82.5	84.0	84.0	84.0
60°	3467.7	2841.7	469.9	94.3	84.0	82.5	78.1	76.6	80.3	77.3	75.9
62.5°	2554.4	1962.9	246.0	77.3	72.2	70.7	67.8	70.7	75.9	67.8	64.8
65°	1240.4	950.2	98.7	63.3	61.1	59.7	58.2	62.6	65.6	53.0	50.1
67.5°	291.7	237.2	64.1	53.8	50.8	47.9	49.3	50.1	47.9	36.1	34.6
70°	75.9	74.4	50.1	44.9	40.5	37.6	37.6	36.8	31.7	22.8	21.4
72.5°	41.2	40.5	36.1	33.9	28.0	25.0	25.8	22.8	17.7	13.3	12.5
75°	20.6	22.1	20.6	19.2	15.5	14.0	14.0	12.5	8.8	5.2	5.2
77.5°	4.4	5.2	5.2	4.4	3.7	2.9	2.9	3.7	1.5	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	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)