

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: P632258

Luminaire Tested: GWS-SA2C-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632258
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-735-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5339.2 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

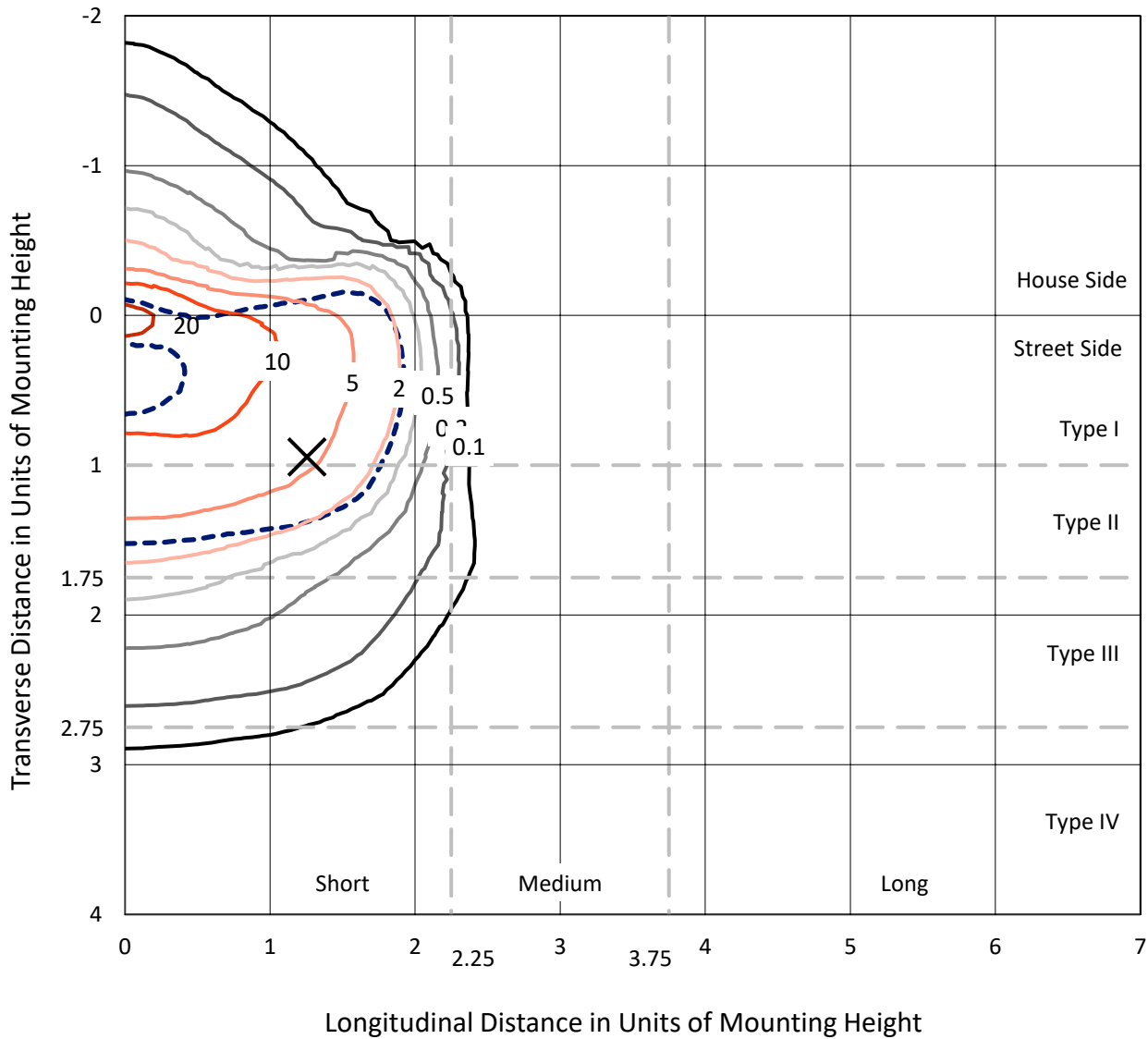
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632258
 CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

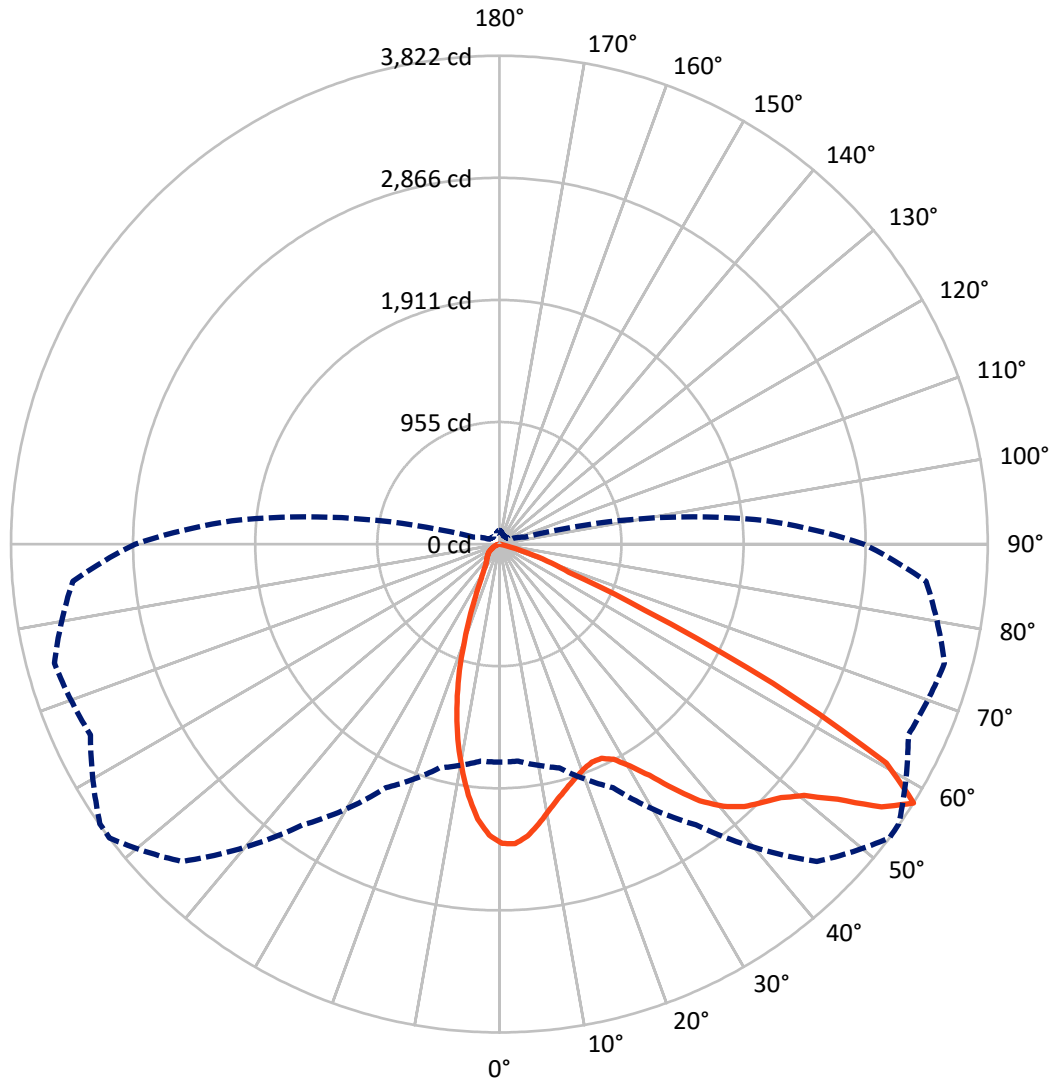
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.4 fc
 Type II - Short - N/A

REPORT NUMBER: P632258
CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632258

CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	882.0	0.0	882.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4457.2	0.0	4457.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	5339.2	0.0	5339.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.4	3.8
10°-20°	439.9	8.2
20°-30°	573.1	10.7
30°-40°	831.3	15.6
40°-50°	1199.5	22.5
50°-60°	1450.7	27.2
60°-70°	591.2	11.1
70°-80°	53.1	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°	5339.2	100.0
0°-180°	5339.2	100.0

Coefficient of Utilization



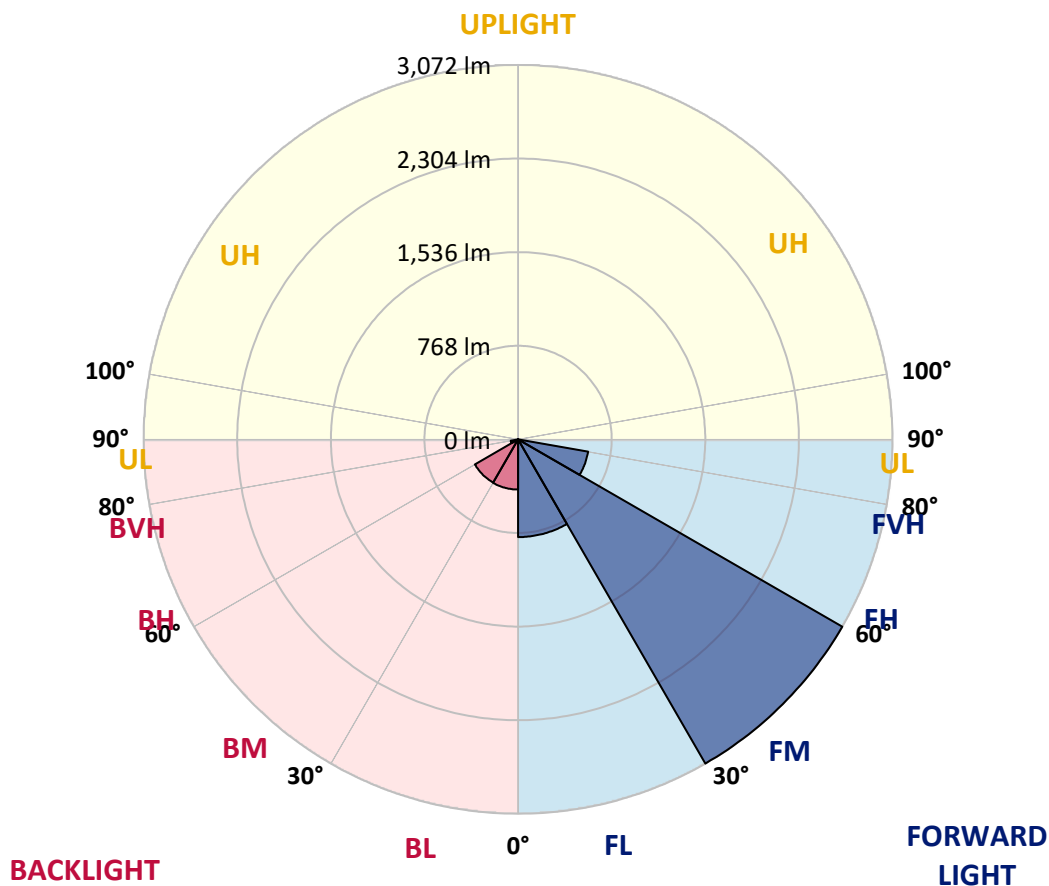
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	801.8	15.0			
FM (30°-60°)	3072.1	57.5			
FH (60°-80°)	583.4	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	411.6	7.7	B1/500		
BM (30°-60°)	409.4	7.7	B1/1000		
BH (60°-80°)	61.0	1.1	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: B1-U0-G0
 Type II Short





REPORT NUMBER: P632258
 CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1
2.5°	2309.4	2314.6	2323.8	2335.5	2343.4	2347.3	2347.3	2358.4	2351.2	2345.3	2338.8
5°	2210.5	2215.8	2228.2	2247.2	2266.2	2279.9	2295.6	2307.4	2312.0	2312.0	2300.9
7.5°	2071.2	2078.4	2086.2	2112.4	2153.6	2184.4	2211.2	2228.2	2253.1	2260.9	2245.2
10°	1921.3	1928.5	1946.2	1982.2	2029.3	2075.1	2120.9	2142.5	2185.0	2207.3	2189.6
12.5°	1794.3	1797.6	1821.2	1864.4	1924.6	1987.4	2043.0	2065.3	2125.5	2158.8	2137.9
15°	1689.6	1691.6	1715.2	1762.9	1832.3	1909.5	1979.5	2002.4	2076.4	2126.8	2095.4
17.5°	1610.5	1611.1	1631.4	1683.1	1755.7	1841.5	1924.6	1952.7	2048.3	2109.1	2062.0
20°	1570.5	1568.6	1583.0	1628.1	1696.8	1782.6	1880.7	1915.4	2032.5	2106.5	2036.5
22.5°	1571.2	1566.6	1572.5	1604.6	1662.8	1743.3	1853.2	1892.5	2033.9	2117.6	2014.9
25°	1608.5	1602.0	1603.3	1620.3	1661.5	1734.8	1857.2	1899.1	2060.0	2154.9	2007.0
27.5°	1671.3	1664.1	1664.1	1672.6	1694.9	1761.6	1906.3	1954.0	2130.1	2227.6	2023.4
30°	1752.5	1745.3	1742.7	1751.2	1769.5	1831.0	2015.5	2065.3	2249.8	2346.7	2075.7
32.5°	1845.4	1836.9	1841.5	1853.2	1870.9	1956.0	2156.2	2222.3	2399.7	2507.0	2170.0
35°	1943.6	1936.4	1957.3	1982.8	2010.3	2129.4	2350.6	2408.2	2583.5	2706.6	2313.9
37.5°	2037.1	2033.9	2077.7	2131.4	2188.3	2337.5	2548.2	2592.7	2741.3	2923.8	2490.0
40°	2130.7	2130.1	2205.3	2299.5	2390.5	2544.9	2698.1	2734.7	2837.5	3092.7	2658.8
42.5°	2235.4	2235.4	2339.5	2465.1	2586.2	2720.3	2808.0	2824.4	2880.6	3190.2	2785.8
45°	2335.5	2341.4	2461.8	2607.8	2751.1	2857.1	2883.9	2885.2	2898.3	3247.8	2891.1
47.5°	2414.7	2420.0	2563.9	2732.1	2886.5	2961.1	2965.1	2959.2	2944.8	3302.7	2972.3
50°	2478.8	2486.7	2637.2	2815.2	2979.5	3061.3	3091.4	3085.5	3048.8	3361.6	3029.2
52.5°	2510.3	2521.4	2662.7	2856.4	3082.9	3232.7	3316.5	3330.2	3204.6	3394.3	3083.5
55°	2259.0	2275.3	2405.6	2670.6	3140.4	3497.7	3629.3	3626.7	3373.4	3491.8	3215.7
57.5°	1706.0	1704.7	1812.7	2102.6	2682.4	3512.8	3821.7	3816.4	3531.1	3605.1	3351.2
60°	1161.6	1153.7	1182.5	1322.5	1875.5	2861.7	3478.1	3548.8	3419.2	3330.2	2845.3
62.5°	956.1	948.9	939.7	901.1	1077.1	1782.6	2402.9	2510.3	2493.2	2314.6	1784.5
65°	782.7	788.5	814.1	797.7	749.3	914.2	1247.3	1310.8	1198.2	1008.4	623.6
67.5°	577.2	579.8	613.2	699.5	673.4	608.6	587.0	597.5	350.1	161.0	104.0
70°	340.9	342.9	373.7	489.5	546.4	467.2	396.6	390.7	138.7	43.2	47.1
72.5°	193.0	189.1	195.0	233.0	297.7	248.0	204.2	185.8	41.9	24.2	24.2
75°	91.6	89.0	76.6	72.0	65.4	41.9	26.2	22.2	10.5	9.8	9.8
77.5°	0.7	2.0	1.3	2.0	2.0	1.3	0.7	0.7	2.0	2.0	2.6
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: P632258

CATALOG NUMBER: GWS-SA2C-735-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1	2342.1
2.5°	2327.0	2307.4	2302.8	2301.5	2283.2	2263.6	2243.3	2235.4	2223.6	2216.4	2222.3
5°	2283.2	2255.0	2230.2	2207.3	2166.7	2122.2	2083.6	2058.7	2035.2	2019.5	2023.4
7.5°	2221.0	2184.4	2127.4	2069.2	1994.6	1927.8	1853.2	1807.4	1764.9	1741.3	1752.5
10°	2154.9	2106.5	2015.5	1916.7	1799.6	1694.9	1588.2	1501.2	1450.8	1403.0	1408.3
12.5°	2090.1	2026.0	1889.9	1740.0	1592.1	1437.7	1276.7	1156.3	1073.9	1014.3	1005.1
15°	2029.9	1947.5	1767.5	1569.9	1368.3	1162.9	957.4	785.3	689.7	630.8	626.9
17.5°	1976.3	1874.2	1640.6	1391.9	1139.3	876.2	640.0	511.1	456.1	430.6	428.0
20°	1924.6	1800.2	1511.0	1211.3	889.3	615.1	441.7	382.2	364.5	354.0	355.3
22.5°	1874.8	1719.7	1374.9	1011.0	666.8	431.9	342.2	319.3	317.4	318.7	319.3
25°	1833.0	1645.8	1234.8	818.0	475.7	329.2	286.0	279.4	285.3	293.8	295.1
27.5°	1811.4	1585.6	1098.1	623.6	344.2	267.6	248.0	250.6	261.1	270.3	271.6
30°	1817.3	1540.4	956.7	452.2	265.0	225.8	219.2	224.5	234.9	243.4	244.7
32.5°	1859.1	1517.5	812.1	329.2	217.9	197.0	194.4	198.3	207.4	214.0	214.6
35°	1942.2	1522.8	674.7	251.9	187.2	175.4	174.7	177.3	181.9	186.5	187.2
37.5°	2064.6	1565.3	539.2	209.4	169.5	161.0	158.4	158.4	161.6	163.6	164.9
40°	2196.1	1629.4	431.9	185.2	157.1	147.9	142.7	140.7	143.3	145.9	146.6
42.5°	2304.8	1693.6	350.8	168.2	147.2	134.8	128.3	127.0	130.2	134.8	136.1
45°	2387.9	1743.3	292.5	154.4	136.1	122.4	115.2	115.2	121.1	128.9	130.2
47.5°	2463.8	1783.2	249.3	142.0	125.6	111.2	104.0	105.4	115.2	125.6	127.6
50°	2515.5	1815.3	217.3	130.9	117.1	102.1	95.5	98.2	109.9	122.4	124.3
52.5°	2571.1	1854.6	196.3	121.1	109.3	94.9	89.0	91.0	104.0	117.8	120.4
55°	2724.9	1986.1	195.7	108.0	95.5	85.1	82.5	83.1	96.2	111.9	115.2
57.5°	2850.5	2101.9	208.8	91.0	79.8	74.6	73.3	73.9	85.7	103.4	107.3
60°	2358.4	1633.4	172.8	75.3	66.7	65.4	63.5	64.8	75.9	91.6	94.9
62.5°	1395.8	933.8	82.5	57.6	56.9	55.6	53.7	56.3	66.7	80.5	82.5
65°	477.1	276.8	52.4	47.1	48.4	46.5	44.5	47.1	56.3	64.1	64.8
67.5°	91.6	73.3	41.9	39.3	39.9	36.0	35.3	38.0	43.2	44.5	43.8
70°	47.8	42.5	32.1	32.1	30.8	25.5	25.5	28.1	28.1	26.2	25.5
72.5°	24.9	23.6	20.9	23.6	19.6	15.7	15.7	17.0	15.7	13.1	13.1
75°	9.8	9.8	9.2	11.8	8.5	7.2	6.5	7.9	5.9	4.6	4.6
77.5°	2.6	2.6	2.6	3.3	2.0	2.0	1.3	1.3	0.7	0.0	0.0
80°	0.0	0.7	0.0	0.7	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)