

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: P630828

Luminaire Tested: GWS-SA1E-740-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630828
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-SA1E-740-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4432.1 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

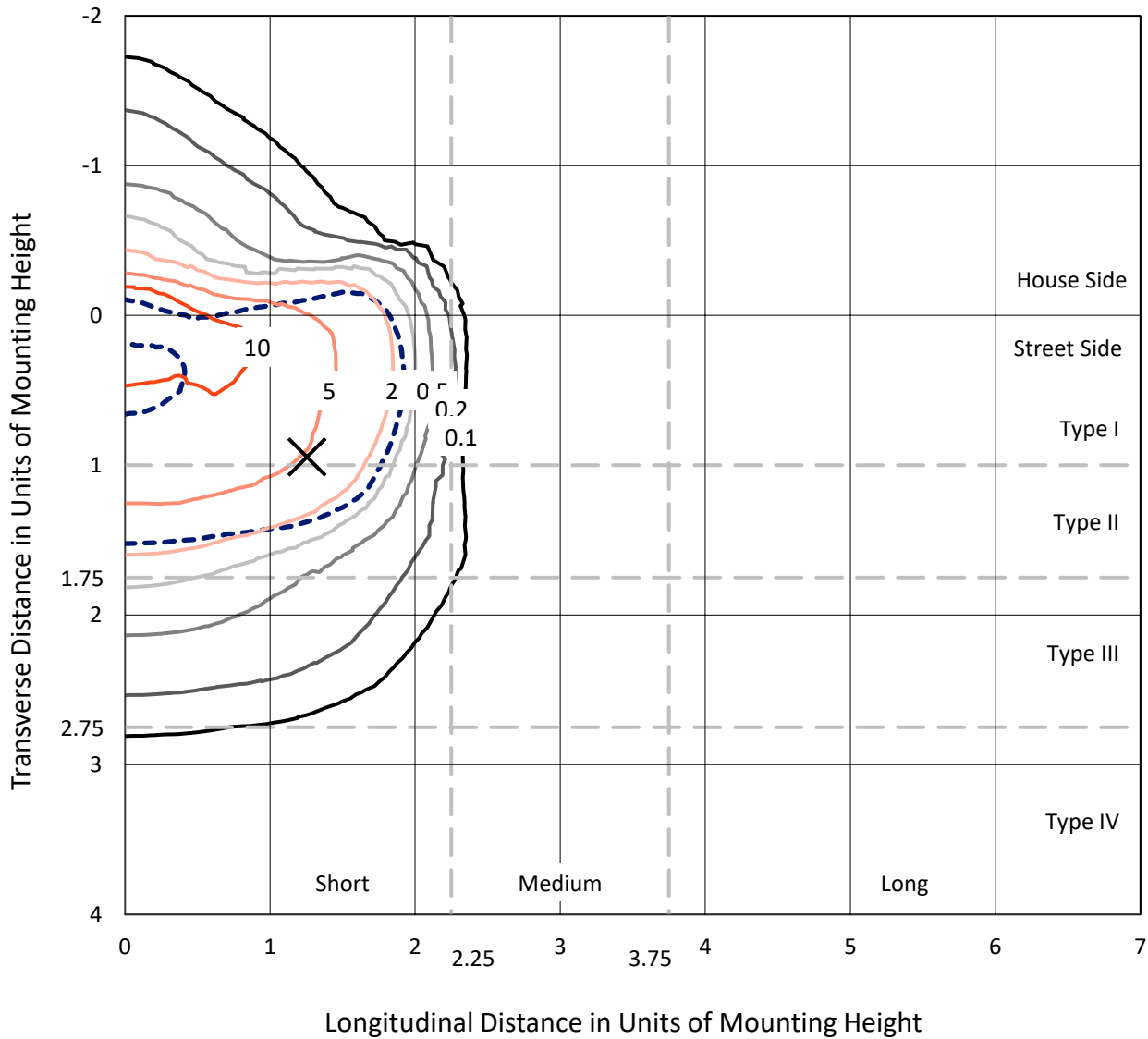
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630828
 CATALOG NUMBER: GWS-SA1E-740-U-SL3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

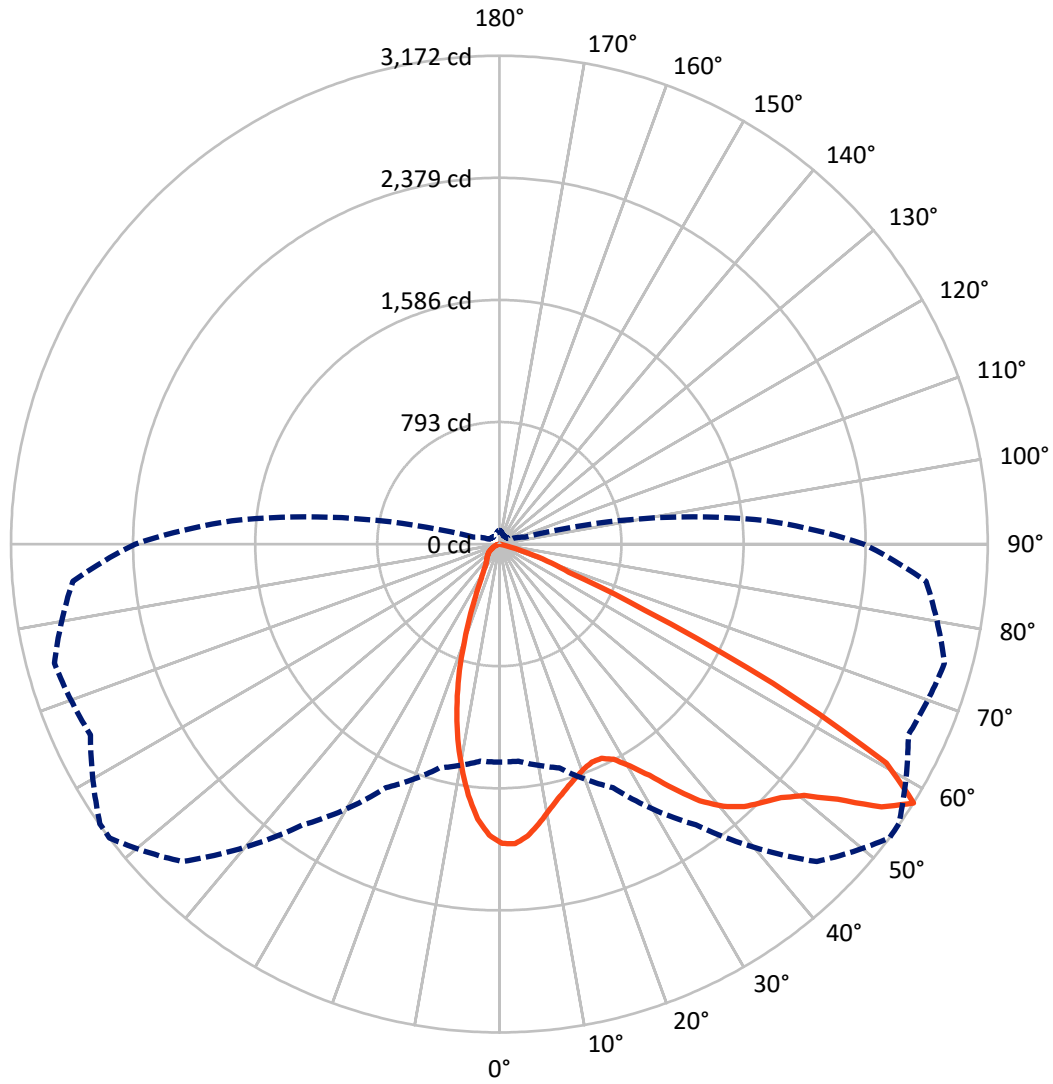
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.4 fc
 Type II - Short - N/A

REPORT NUMBER: P630828
CATALOG NUMBER: GWS-SA1E-740-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630828

CATALOG NUMBER: GWS-SA1E-740-U-SL3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	732.1	0.0	732.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3700.0	0.0	3700.0
	% Fixture	83.5	0.0	83.5
Total	Lumens	4432.1	0.0	4432.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.3	3.8
10°-20°	365.2	8.2
20°-30°	475.7	10.7
30°-40°	690.1	15.6
40°-50°	995.7	22.5
50°-60°	1204.2	27.2
60°-70°	490.8	11.1
70°-80°	44.1	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°	4432.1	100.0
0°-180°	4432.1	100.0

Coefficient of Utilization



REPORT NUMBER: P630828

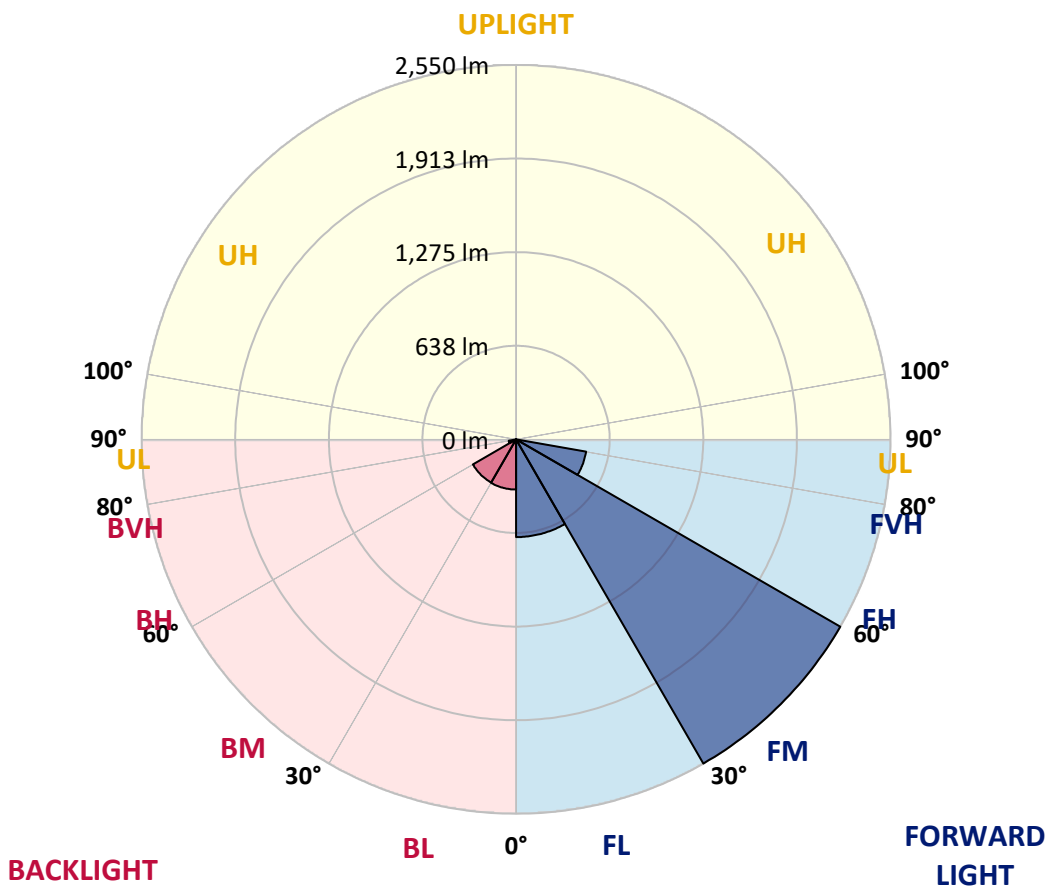
CATALOG NUMBER: GWS-SA1E-740-U-SL3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	665.6	15.0			
FM (30°-60°)	2550.1	57.5			
FH (60°-80°)	484.3	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	341.7	7.7	B1/500		
BM (30°-60°)	339.8	7.7	B1/1000		
BH (60°-80°)	50.6	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: P630828
 CATALOG NUMBER: GWS-SA1E-740-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2
2.5°	1917.0	1921.4	1929.0	1938.7	1945.3	1948.5	1948.5	1957.8	1951.8	1946.9	1941.5
5°	1835.0	1839.3	1849.7	1865.4	1881.2	1892.6	1905.6	1915.4	1919.2	1919.2	1909.9
7.5°	1719.3	1725.3	1731.8	1753.5	1787.7	1813.3	1835.5	1849.7	1870.3	1876.8	1863.8
10°	1594.9	1600.9	1615.5	1645.4	1684.5	1722.5	1760.6	1778.5	1813.8	1832.3	1817.6
12.5°	1489.5	1492.2	1511.8	1547.6	1597.6	1649.7	1695.9	1714.4	1764.4	1792.1	1774.7
15°	1402.6	1404.2	1423.8	1463.4	1521.0	1585.1	1643.2	1662.2	1723.6	1765.5	1739.4
17.5°	1336.9	1337.4	1354.2	1397.2	1457.4	1528.6	1597.6	1621.0	1700.3	1750.8	1711.7
20°	1303.7	1302.1	1314.0	1351.5	1408.6	1479.7	1561.2	1590.0	1687.2	1748.6	1690.5
22.5°	1304.3	1300.5	1305.3	1332.0	1380.3	1447.1	1538.4	1571.0	1688.3	1757.8	1672.6
25°	1335.2	1329.8	1330.9	1345.0	1379.2	1440.1	1541.6	1576.4	1710.0	1788.8	1666.0
27.5°	1387.4	1381.4	1381.4	1388.5	1406.9	1462.3	1582.4	1622.0	1768.2	1849.1	1679.6
30°	1454.7	1448.8	1446.6	1453.6	1468.9	1519.9	1673.1	1714.4	1867.6	1948.0	1723.1
32.5°	1531.9	1524.8	1528.6	1538.4	1553.1	1623.7	1789.9	1844.8	1992.0	2081.1	1801.3
35°	1613.4	1607.4	1624.8	1645.9	1668.8	1767.6	1951.2	1999.0	2144.6	2246.7	1920.8
37.5°	1691.0	1688.3	1724.7	1769.3	1816.5	1940.4	2115.3	2152.2	2275.5	2427.1	2066.9
40°	1768.7	1768.2	1830.6	1908.9	1984.4	2112.6	2239.7	2270.1	2355.4	2567.2	2207.1
42.5°	1855.6	1855.6	1942.0	2046.3	2146.8	2258.2	2330.9	2344.5	2391.2	2648.2	2312.5
45°	1938.7	1943.6	2043.6	2164.7	2283.7	2371.7	2394.0	2395.0	2405.9	2696.0	2399.9
47.5°	2004.5	2008.8	2128.3	2267.9	2396.1	2458.1	2461.3	2456.4	2444.5	2741.6	2467.3
50°	2057.7	2064.2	2189.2	2336.9	2473.3	2541.2	2566.2	2561.3	2530.8	2790.5	2514.5
52.5°	2083.8	2093.0	2210.3	2371.1	2559.1	2683.5	2753.0	2764.4	2660.1	2817.7	2559.6
55°	1875.2	1888.8	1996.9	2216.9	2606.9	2903.5	3012.7	3010.5	2800.3	2898.6	2669.4
57.5°	1416.2	1415.1	1504.7	1745.4	2226.6	2916.0	3172.4	3168.0	2931.2	2992.6	2781.8
60°	964.2	957.7	981.6	1097.8	1556.9	2375.5	2887.2	2945.9	2838.3	2764.4	2361.9
62.5°	793.6	787.7	780.1	748.0	894.1	1479.7	1994.7	2083.8	2069.7	1921.4	1481.4
65°	649.7	654.6	675.8	662.2	622.0	758.9	1035.4	1088.1	994.6	837.1	517.7
67.5°	479.1	481.3	509.0	580.7	559.0	505.2	487.3	496.0	290.6	133.6	86.4
70°	283.0	284.6	310.2	406.3	453.6	387.9	329.2	324.3	115.2	35.9	39.1
72.5°	160.2	157.0	161.9	193.4	247.2	205.9	169.5	154.3	34.8	20.1	20.1
75°	76.1	73.9	63.6	59.8	54.3	34.8	21.7	18.5	8.7	8.1	8.1
77.5°	0.5	1.6	1.1	1.6	1.6	1.1	0.5	0.5	1.6	1.6	2.2
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: P630828

CATALOG NUMBER: GWS-SA1E-740-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2
2.5°	1931.7	1915.4	1911.6	1910.5	1895.3	1879.0	1862.1	1855.6	1845.8	1839.9	1844.8
5°	1895.3	1871.9	1851.3	1832.3	1798.6	1761.7	1729.6	1709.0	1689.4	1676.4	1679.6
7.5°	1843.7	1813.3	1766.0	1717.7	1655.7	1600.3	1538.4	1500.4	1465.1	1445.5	1454.7
10°	1788.8	1748.6	1673.1	1591.1	1493.8	1406.9	1318.4	1246.1	1204.3	1164.7	1169.0
12.5°	1735.0	1681.8	1568.8	1444.4	1321.6	1193.4	1059.8	959.9	891.4	842.0	834.4
15°	1685.1	1616.6	1467.2	1303.2	1135.9	965.3	794.7	651.9	572.6	523.7	520.4
17.5°	1640.5	1555.8	1361.8	1155.4	945.7	727.4	531.3	424.3	378.6	357.4	355.3
20°	1597.6	1494.4	1254.3	1005.5	738.2	510.6	366.7	317.2	302.6	293.9	295.0
22.5°	1556.3	1427.6	1141.3	839.3	553.5	358.5	284.1	265.1	263.5	264.5	265.1
25°	1521.5	1366.2	1025.0	679.0	394.9	273.2	237.4	232.0	236.8	243.9	245.0
27.5°	1503.6	1316.2	911.5	517.7	285.7	222.2	205.9	208.1	216.7	224.3	225.4
30°	1508.5	1278.7	794.2	375.4	220.0	187.4	182.0	186.3	195.0	202.1	203.2
32.5°	1543.3	1259.7	674.1	273.2	180.9	163.5	161.3	164.6	172.2	177.6	178.2
35°	1612.3	1264.1	560.1	209.1	155.4	145.6	145.0	147.2	151.0	154.8	155.4
37.5°	1713.8	1299.4	447.6	173.8	140.7	133.6	131.5	131.5	134.2	135.8	136.9
40°	1823.0	1352.6	358.5	153.7	130.4	122.8	118.4	116.8	119.0	121.1	121.7
42.5°	1913.2	1405.8	291.2	139.6	122.2	111.9	106.5	105.4	108.1	111.9	113.0
45°	1982.2	1447.1	242.8	128.2	113.0	101.6	95.6	95.6	100.5	107.0	108.1
47.5°	2045.2	1480.3	207.0	117.9	104.3	92.3	86.4	87.5	95.6	104.3	105.9
50°	2088.1	1506.9	180.3	108.6	97.2	84.7	79.3	81.5	91.3	101.6	103.2
52.5°	2134.3	1539.5	163.0	100.5	90.7	78.8	73.9	75.5	86.4	97.8	100.0
55°	2262.0	1648.7	162.4	89.6	79.3	70.6	68.4	69.0	79.9	92.9	95.6
57.5°	2366.3	1744.8	173.3	75.5	66.3	61.9	60.8	61.4	71.2	85.8	89.1
60°	1957.8	1355.9	143.4	62.5	55.4	54.3	52.7	53.8	63.0	76.1	78.8
62.5°	1158.7	775.2	68.4	47.8	47.3	46.2	44.5	46.7	55.4	66.8	68.4
65°	396.0	229.8	43.5	39.1	40.2	38.6	36.9	39.1	46.7	53.2	53.8
67.5°	76.1	60.8	34.8	32.6	33.1	29.9	29.3	31.5	35.9	36.9	36.4
70°	39.7	35.3	26.6	26.6	25.5	21.2	21.2	23.4	23.4	21.7	21.2
72.5°	20.6	19.6	17.4	19.6	16.3	13.0	13.0	14.1	13.0	10.9	10.9
75°	8.1	8.1	7.6	9.8	7.1	6.0	5.4	6.5	4.9	3.8	3.8
77.5°	2.2	2.2	2.2	2.7	1.6	1.6	1.1	1.1	0.5	0.0	0.0
80°	0.0	0.5	0.0	0.5	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)