

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: P632581

Luminaire Tested: GWS-SA2D-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5574.2 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

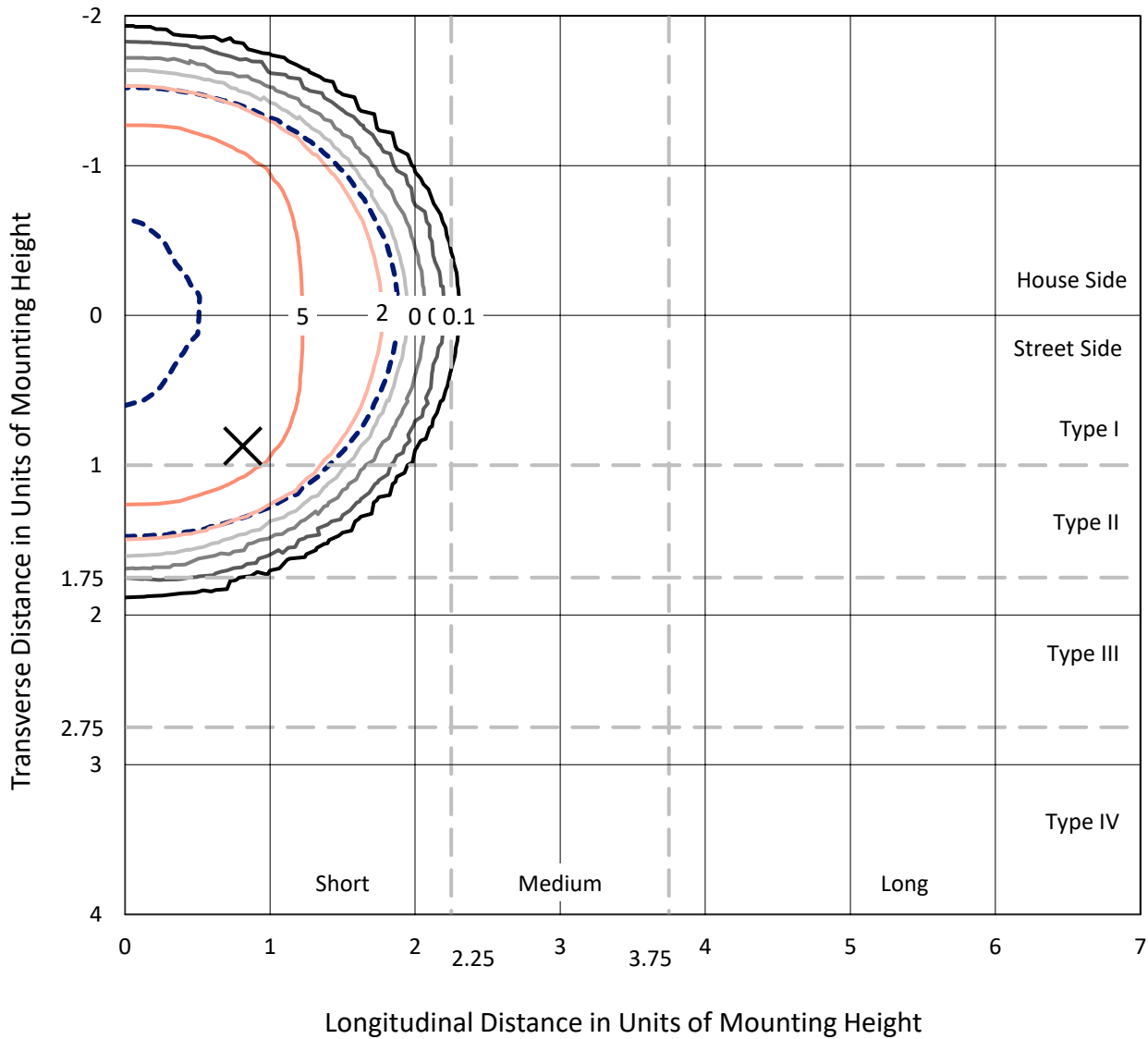
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

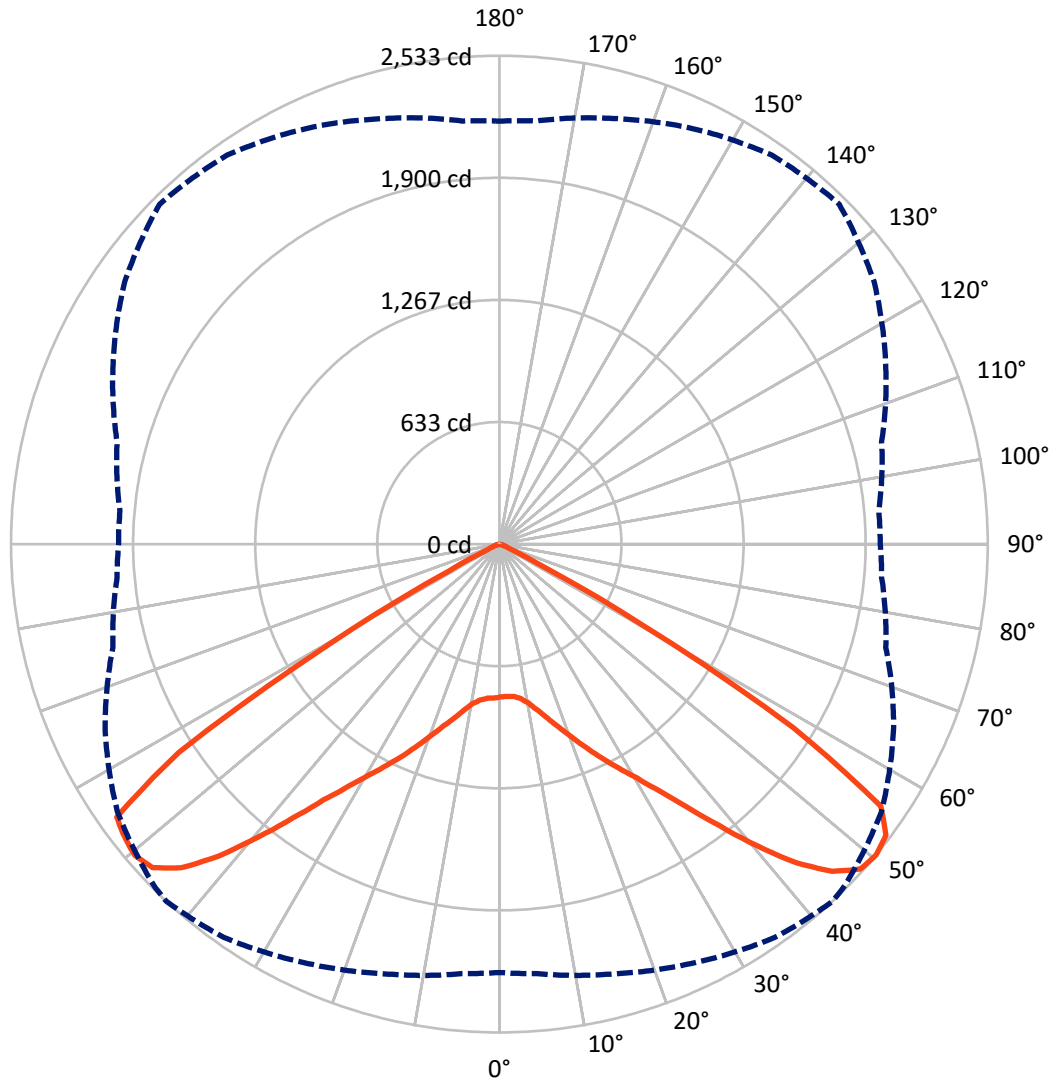
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type V - Short - N/A

REPORT NUMBER: P632581
CATALOG NUMBER: GWS-SA2D-722-U-RW-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2787.0	0.0	2787.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2787.2	0.0	2787.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5574.2	0.0	5574.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	1.4
10°-20°	268.7	4.8
20°-30°	543.6	9.8
30°-40°	1008.6	18.1
40°-50°	1674.1	30.0
50°-60°	1708.5	30.7
60°-70°	280.2	5.0
70°-80°	12.3	0.2
80°-90°	0.2	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°	5574.2	100.0
0°-180°	5574.2	100.0

Coefficient of Utilization



REPORT NUMBER: P632581

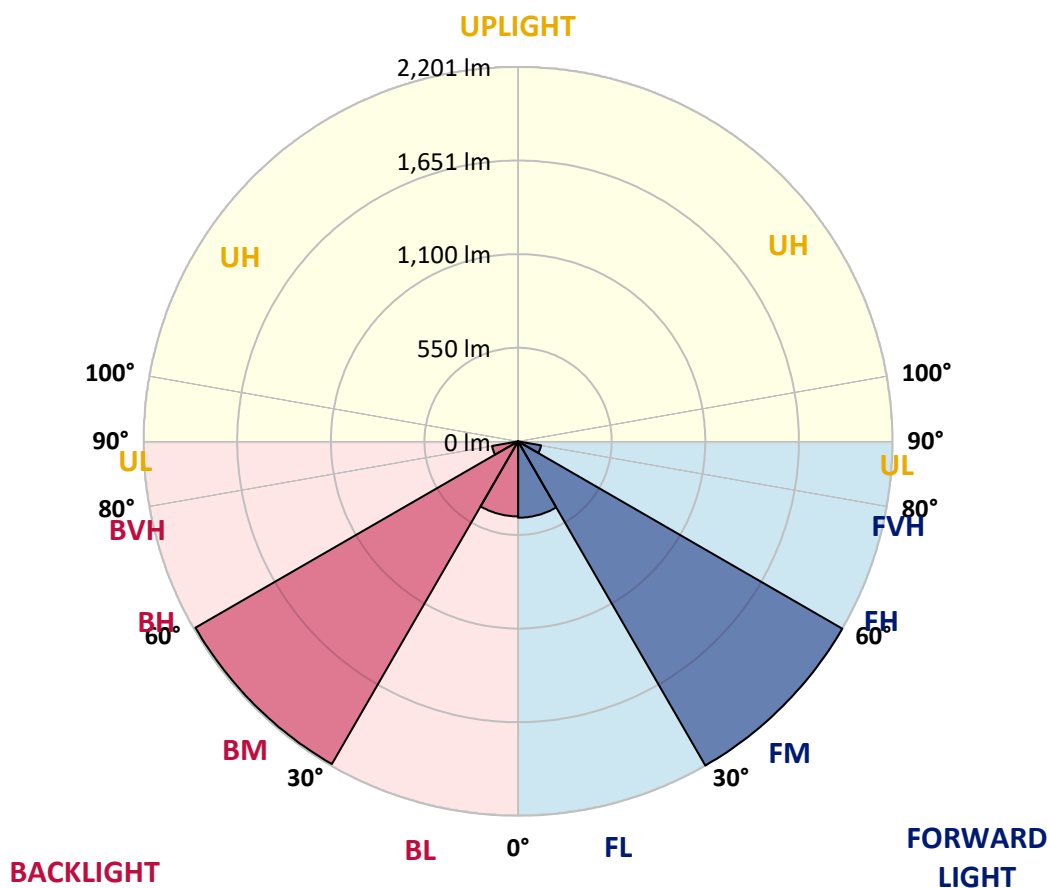
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	449.1	8.1			
FM (30°-60°)	2201.0	39.5			
FH (60°-80°)	137.1	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	441.3	7.9	B1/500		
BM (30°-60°)	2190.3	39.3	B2/2500		
BH (60°-80°)	155.4	2.8	B1/500		G0/660
BVH (80°-90°)	0.1	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-G0

Type V Short





REPORT NUMBER: P632581

CATALOG NUMBER: GWS-SA2D-722-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.8
2.5°	778.0	779.9	782.4	784.8	787.9	791.0	792.8	798.4	797.2	802.1	802.1
5°	769.4	771.3	774.3	779.9	786.7	793.5	798.4	809.5	815.7	825.5	829.2
7.5°	773.7	776.2	779.9	788.5	799.0	809.5	815.0	832.9	845.2	863.7	874.2
10°	787.9	790.4	796.5	811.3	824.9	839.7	846.5	869.3	889.0	914.3	929.1
12.5°	803.9	807.0	819.4	841.5	865.0	884.7	894.0	919.2	939.6	967.9	991.4
15°	820.6	825.5	844.6	877.3	910.6	937.1	947.0	974.1	994.4	1024.7	1051.2
17.5°	859.4	865.0	886.6	921.7	967.3	998.1	1006.8	1035.1	1050.5	1070.9	1098.6
20°	908.1	918.6	945.1	987.7	1037.6	1067.2	1073.4	1101.1	1099.9	1108.5	1132.5
22.5°	968.5	975.9	1004.9	1055.5	1111.6	1144.3	1158.4	1170.2	1154.7	1147.3	1162.8
25°	1031.4	1040.1	1071.5	1127.0	1189.9	1227.5	1239.2	1248.4	1223.8	1196.0	1197.9
27.5°	1112.8	1119.0	1149.8	1209.0	1271.9	1314.4	1324.9	1340.9	1308.3	1263.9	1251.5
30°	1209.6	1215.8	1248.4	1310.7	1373.0	1409.4	1425.4	1445.1	1409.4	1353.9	1339.7
32.5°	1323.0	1329.2	1371.1	1435.3	1486.4	1525.9	1541.3	1562.3	1533.9	1471.6	1455.6
35°	1458.7	1462.4	1511.7	1581.4	1635.6	1673.8	1684.3	1709.0	1677.5	1615.3	1606.6
37.5°	1615.9	1620.2	1673.8	1754.6	1810.1	1852.6	1869.3	1876.1	1837.8	1768.2	1761.4
40°	1788.5	1802.7	1855.1	1942.0	2004.3	2057.9	2072.7	2049.9	1996.3	1901.3	1889.0
42.5°	1968.5	1980.9	2039.4	2133.8	2205.9	2260.8	2261.4	2212.1	2120.8	1989.5	1971.0
45°	2118.4	2123.3	2199.1	2294.1	2382.8	2421.7	2425.4	2336.0	2198.5	2040.7	2001.2
47.5°	2221.3	2229.3	2295.3	2386.5	2484.6	2519.7	2512.3	2400.7	2235.5	2074.0	2008.6
50°	2222.5	2236.1	2307.6	2395.8	2490.7	2533.3	2522.8	2419.2	2256.5	2075.2	1990.7
52.5°	2025.9	2048.1	2164.6	2292.2	2437.7	2510.5	2512.9	2443.3	2248.4	2055.5	1974.7
55°	1528.3	1552.4	1699.1	1916.8	2197.9	2400.7	2435.9	2414.9	2239.2	2064.1	2003.1
57.5°	808.9	790.4	871.8	1087.5	1440.8	1799.6	1902.6	2070.3	2136.2	2074.6	2055.5
60°	176.3	188.0	250.3	337.2	562.3	846.5	947.0	1234.3	1575.8	1727.5	1837.2
62.5°	75.8	74.6	77.7	88.2	128.9	214.5	262.0	427.9	675.1	927.2	1098.0
65°	62.3	62.9	65.4	65.4	61.0	61.7	64.7	98.0	157.8	221.3	297.2
67.5°	46.9	47.5	51.8	53.0	49.9	44.4	43.8	37.0	38.8	48.7	50.6
70°	29.6	29.6	32.1	33.3	33.3	30.8	30.2	26.5	25.9	29.6	33.3
72.5°	16.0	16.0	17.3	17.9	17.3	16.6	16.6	16.0	15.4	17.9	22.8
75°	6.8	6.8	7.4	7.4	6.8	6.8	6.8	6.8	6.8	8.0	12.3
77.5°	1.2	1.8	2.5	1.8	1.2	1.2	1.2	1.8	1.8	2.5	3.7
80°	0.6	0.6	1.2	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.8	792.8
2.5°	806.4	799.6	802.1	803.3	801.5	800.2	793.5	791.6	788.5	783.6	782.4
5°	833.5	828.0	827.4	823.7	815.0	804.6	791.6	786.1	779.9	773.7	772.5
7.5°	879.2	872.4	868.1	855.7	836.0	819.4	797.8	786.1	778.0	770.0	768.2
10°	937.7	929.7	917.4	894.6	868.1	844.0	818.7	803.3	791.0	779.9	779.3
12.5°	1000.0	991.4	969.2	940.2	908.1	885.9	853.9	832.3	813.8	797.2	795.3
15°	1065.3	1054.9	1024.7	990.1	960.5	937.7	902.6	868.1	839.7	815.7	813.2
17.5°	1115.3	1102.3	1066.6	1040.7	1016.6	993.2	953.8	908.1	870.5	841.5	834.8
20°	1146.7	1134.4	1100.5	1086.3	1075.2	1058.6	1011.7	964.2	922.3	886.6	880.4
22.5°	1176.9	1162.1	1132.5	1132.5	1141.2	1134.4	1083.8	1029.6	980.3	939.0	929.7
25°	1210.8	1199.1	1178.2	1195.4	1217.0	1216.4	1164.6	1096.8	1040.1	993.8	984.6
27.5°	1260.2	1248.4	1241.1	1273.7	1300.9	1299.0	1242.3	1168.9	1109.1	1063.5	1054.9
30°	1347.1	1336.0	1328.0	1367.4	1402.0	1389.0	1326.7	1255.8	1195.4	1143.6	1137.5
32.5°	1463.0	1451.3	1440.8	1480.3	1511.1	1494.4	1435.3	1368.7	1299.0	1248.4	1236.1
35°	1615.3	1590.6	1580.1	1627.0	1639.9	1621.4	1564.7	1506.2	1432.2	1374.2	1366.2
37.5°	1772.5	1743.5	1736.1	1776.8	1797.8	1791.0	1724.4	1663.4	1583.2	1519.1	1509.9
40°	1906.9	1880.4	1867.4	1930.9	1978.4	1982.7	1922.9	1848.3	1754.0	1687.4	1670.8
42.5°	1985.8	1963.0	1959.9	2058.6	2136.2	2191.7	2120.2	2043.1	1943.9	1868.7	1855.1
45°	2003.7	1988.9	2014.8	2144.2	2265.1	2366.2	2305.2	2223.8	2116.5	2037.0	2024.0
47.5°	2001.8	1996.9	2043.1	2188.6	2341.5	2466.1	2435.9	2344.0	2240.4	2157.2	2144.9
50°	1975.3	1975.9	2053.0	2210.8	2372.4	2493.2	2463.0	2377.9	2285.4	2203.4	2193.6
52.5°	1964.8	1961.1	2034.5	2204.1	2403.8	2480.9	2413.1	2317.5	2214.5	2113.4	2098.6
55°	2001.8	1992.6	2037.0	2198.5	2407.5	2474.1	2295.3	2088.1	1877.3	1757.7	1747.8
57.5°	2057.3	2047.5	2068.4	2157.8	2214.5	2057.3	1689.3	1355.1	1138.1	1046.2	1006.2
60°	1837.2	1830.4	1814.4	1706.5	1463.6	1104.2	752.2	479.7	344.6	278.7	278.7
62.5°	1139.9	1130.7	1043.8	775.6	563.5	326.1	179.4	112.2	85.1	79.5	78.9
65°	320.0	318.1	263.3	186.2	118.4	73.4	64.7	66.0	64.7	62.9	62.3
67.5°	48.1	53.0	53.0	43.2	41.3	46.2	54.3	58.0	54.9	51.8	50.6
70°	30.8	33.3	32.1	27.7	29.6	34.5	38.8	39.5	37.6	34.5	33.9
72.5°	21.6	24.0	19.7	17.9	18.5	20.3	22.2	22.2	21.6	20.3	19.1
75°	12.9	12.9	9.2	8.6	8.6	9.2	9.2	10.5	10.5	9.9	9.2
77.5°	4.3	4.9	3.1	2.5	2.5	2.5	3.1	3.7	3.7	3.1	2.5
80°	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	0.6
82.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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)