

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: P630934

Luminaire Tested: GWS-SA1E-760-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630934  
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-SA1E-760-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

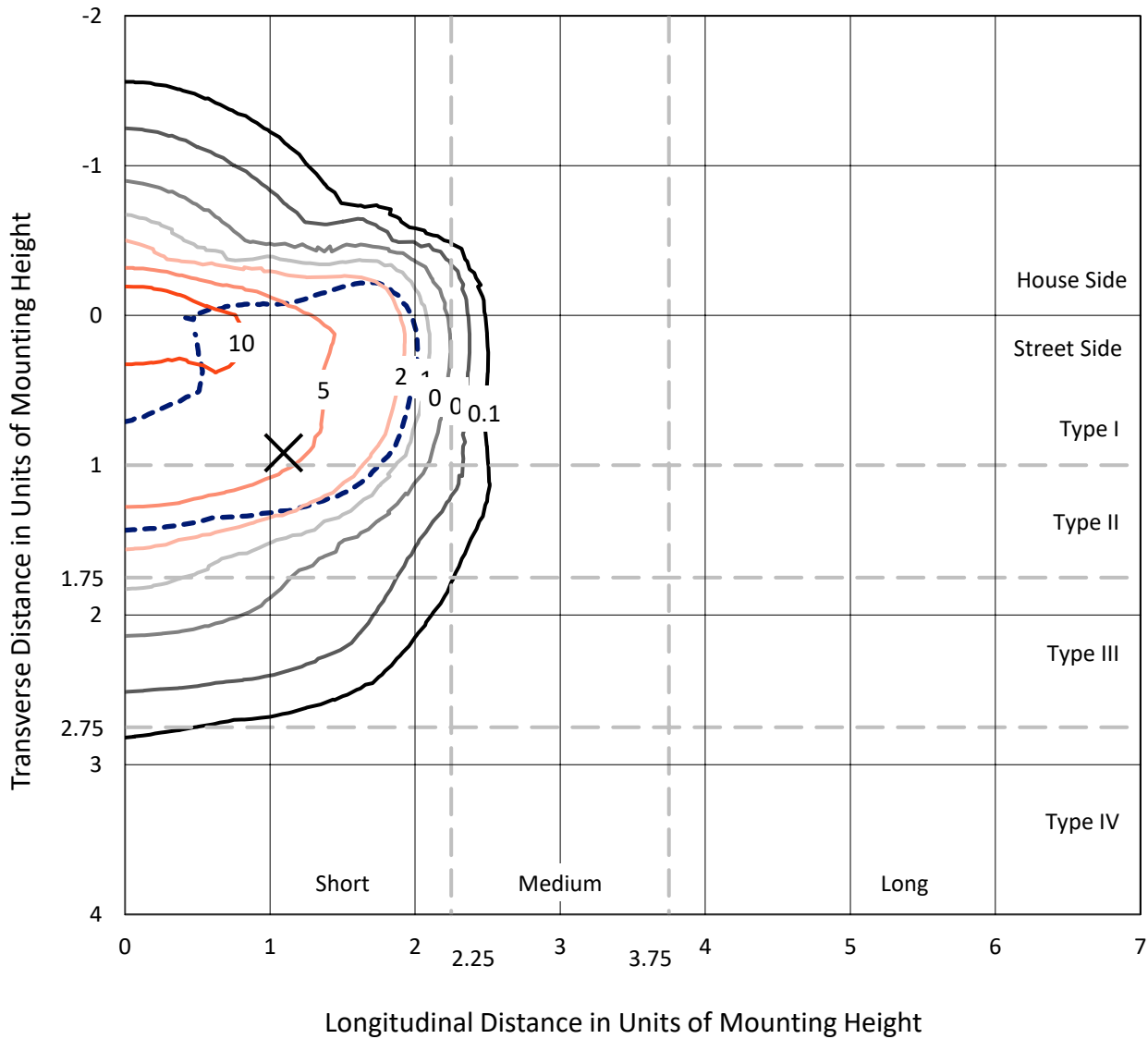
Lumens per Lamp: N/A  
Luminaire Lumens: 4489.1 lumens  
Efficiency: N/A  
Efficacy: 76.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

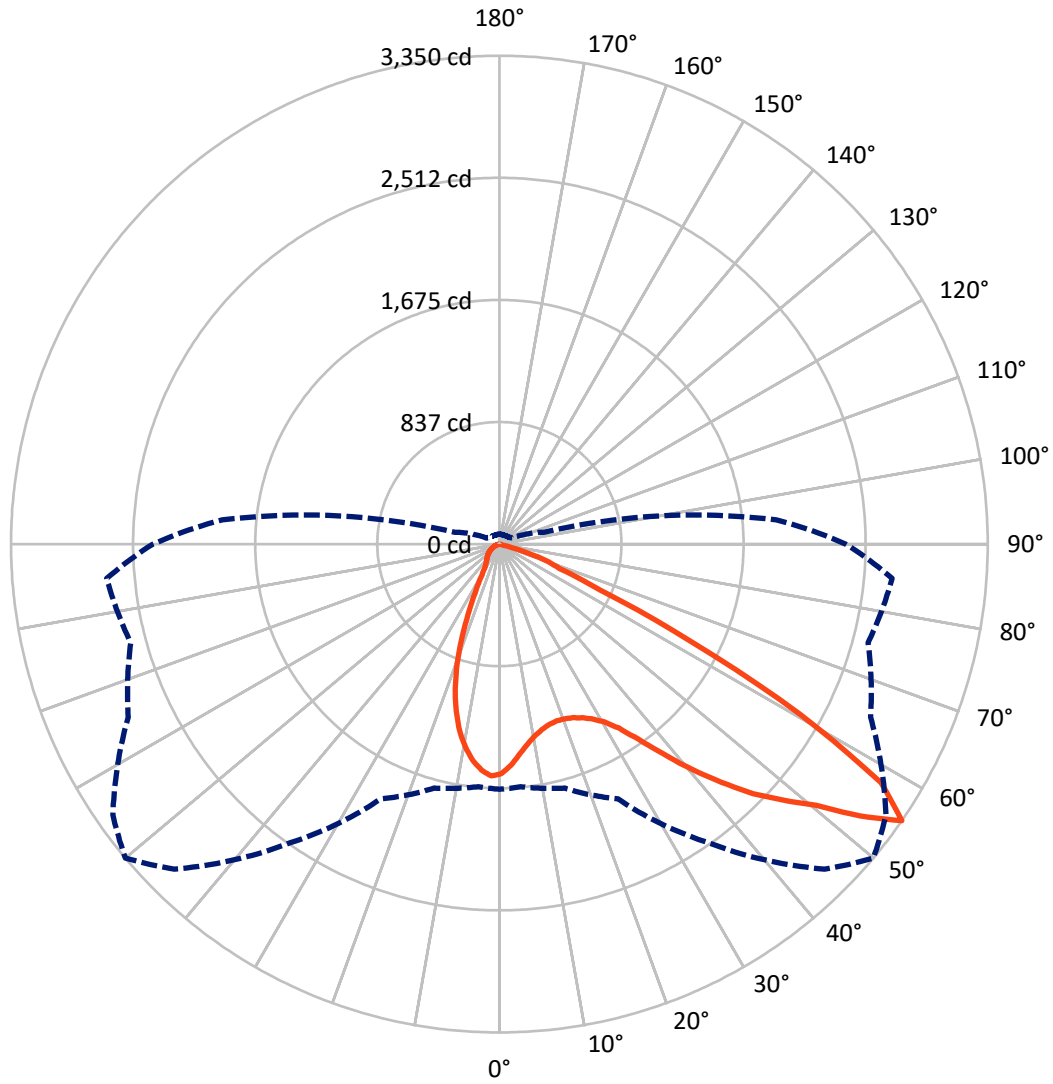
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	884.5	0.0	884.5
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	3604.5	0.0	3604.5
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	4489.1	0.0	4489.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.3	3.1
10°-20°	340.4	7.6
20°-30°	480.1	10.7
30°-40°	710.5	15.8
40°-50°	1025.0	22.8
50°-60°	1209.1	26.9
60°-70°	539.3	12.0
70°-80°	46.4	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°	4489.1	100.0
0°-180°	4489.1	100.0

**Coefficient of Utilization**



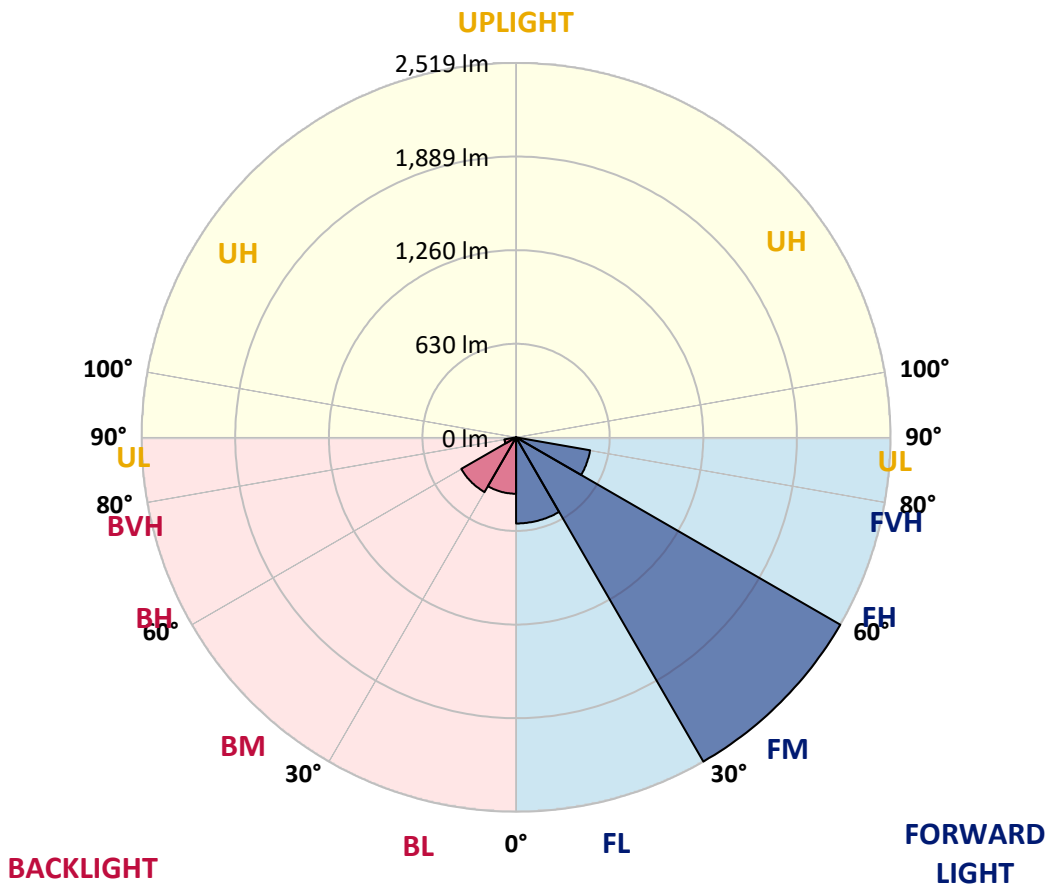
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	579.6	12.9			
FM (30°-60°)	2519.1	56.1			
FH (60°-80°)	505.8	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	379.3	8.4	B1/500		
BM (30°-60°)	425.4	9.5	B1/1000		
BH (60°-80°)	79.9	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: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0
2.5°	1463.2	1464.3	1464.9	1479.7	1485.1	1507.1	1518.6	1524.6	1540.5	1559.1	1574.5
5°	1365.1	1363.5	1366.2	1384.9	1396.9	1429.3	1446.8	1458.8	1493.9	1537.8	1574.5
7.5°	1279.6	1282.9	1286.2	1306.5	1324.6	1359.7	1384.9	1402.9	1451.7	1516.9	1578.9
10°	1219.4	1219.4	1224.3	1247.3	1268.7	1312.0	1337.2	1360.2	1418.3	1498.3	1583.8
12.5°	1175.0	1175.5	1181.5	1207.8	1232.5	1277.4	1303.8	1326.2	1390.3	1479.7	1584.9
15°	1154.1	1152.5	1157.4	1185.4	1212.8	1255.0	1282.4	1304.3	1370.6	1469.3	1590.4
17.5°	1148.7	1147.6	1151.4	1178.8	1206.8	1247.9	1274.7	1296.6	1367.9	1472.5	1606.8
20°	1164.6	1162.4	1160.7	1184.3	1210.6	1251.1	1279.1	1303.8	1381.0	1490.6	1632.0
22.5°	1202.4	1202.4	1198.5	1210.0	1227.6	1264.3	1293.3	1325.7	1415.6	1526.8	1669.3
25°	1272.0	1266.5	1259.4	1264.3	1262.1	1285.1	1319.6	1364.6	1480.8	1586.5	1714.8
27.5°	1351.4	1356.4	1344.3	1344.9	1325.7	1317.5	1357.5	1425.4	1577.8	1670.9	1782.2
30°	1459.4	1455.6	1456.1	1454.5	1410.1	1371.2	1414.5	1504.9	1700.0	1799.7	1869.9
32.5°	1543.8	1549.3	1567.4	1577.8	1519.7	1457.2	1503.2	1612.8	1839.2	1946.6	1977.3
35°	1633.1	1643.0	1679.7	1713.7	1664.9	1593.1	1642.4	1755.9	1970.2	2091.8	2100.6
37.5°	1727.4	1747.1	1790.9	1850.7	1843.0	1779.4	1824.4	1924.1	2073.2	2179.5	2202.5
40°	1835.3	1854.5	1926.3	2012.4	2030.4	2016.2	2031.0	2089.1	2141.1	2183.3	2246.4
42.5°	1953.7	1980.0	2071.0	2186.1	2254.0	2266.6	2232.1	2226.1	2170.7	2139.5	2237.0
45°	2093.5	2124.1	2227.2	2376.2	2484.2	2501.2	2441.5	2364.2	2189.4	2107.2	2209.1
47.5°	2250.2	2279.2	2381.7	2560.9	2721.5	2728.1	2623.9	2499.5	2244.7	2144.4	2230.5
50°	2302.8	2320.9	2409.7	2620.1	2916.0	2966.5	2815.8	2651.9	2356.0	2254.0	2334.6
52.5°	2122.0	2129.1	2206.4	2419.0	2876.6	3200.5	3095.8	2879.3	2553.8	2421.2	2495.2
55°	1681.3	1669.8	1732.3	1927.4	2500.1	3152.8	3349.5	3236.6	2808.6	2617.4	2704.0
57.5°	1176.1	1162.4	1148.1	1280.2	1865.5	2672.7	3086.5	3286.5	3051.4	2811.9	2929.2
60°	966.7	953.6	884.5	823.7	1127.8	1919.2	2370.8	2747.3	3031.7	2802.1	2922.1
62.5°	835.2	827.5	799.6	716.8	663.7	1095.5	1484.6	1845.2	2326.4	2200.3	2206.9
65°	656.0	653.8	673.0	681.7	586.9	606.1	757.4	959.0	1257.7	1185.9	1124.5
67.5°	448.3	443.4	479.5	589.7	564.5	478.4	443.4	447.2	544.2	332.7	264.1
70°	285.0	273.5	274.0	365.5	459.2	377.6	342.0	300.9	270.7	49.3	55.9
72.5°	182.5	175.4	150.7	165.0	212.6	184.1	185.8	160.0	106.9	26.3	30.7
75°	76.7	70.7	54.3	43.3	42.7	26.9	23.6	21.9	14.8	14.8	15.9
77.5°	0.5	0.0	0.0	0.5	1.1	0.5	0.5	1.1	2.2	3.3	3.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0	1575.0
2.5°	1583.8	1570.6	1585.4	1590.9	1590.4	1590.9	1575.0	1564.1	1563.5	1549.8	1543.2
5°	1589.8	1579.4	1590.4	1583.2	1566.3	1544.9	1516.4	1491.7	1480.8	1464.9	1457.2
7.5°	1601.3	1590.4	1588.7	1560.2	1518.0	1473.1	1422.7	1377.7	1353.6	1324.6	1326.2
10°	1609.6	1596.9	1575.6	1517.5	1447.3	1375.5	1300.5	1233.6	1191.4	1152.5	1145.9
12.5°	1612.8	1594.2	1544.3	1456.7	1358.0	1264.3	1154.1	1058.8	993.0	942.1	934.9
15°	1618.9	1588.7	1504.3	1383.2	1247.9	1115.2	974.9	844.5	757.4	698.7	703.7
17.5°	1628.2	1582.7	1459.4	1301.0	1129.5	942.1	752.4	602.8	522.8	488.8	489.4
20°	1641.3	1575.6	1410.1	1210.6	987.5	746.4	526.1	413.2	390.7	389.6	388.0
22.5°	1658.9	1568.4	1357.5	1111.4	819.3	522.8	350.2	315.1	324.4	342.5	345.8
25°	1679.7	1559.7	1298.8	999.6	635.7	343.1	262.5	257.0	279.5	303.6	309.1
27.5°	1712.0	1555.3	1232.0	872.5	446.1	246.1	214.8	218.1	238.4	258.7	263.6
30°	1766.8	1563.5	1159.1	730.0	286.6	196.2	186.3	191.3	202.2	212.6	217.0
32.5°	1841.4	1587.6	1088.4	574.3	204.4	170.4	168.2	171.0	175.4	181.4	183.0
35°	1928.5	1629.3	1015.5	411.0	168.8	155.6	153.4	153.4	155.6	156.7	157.3
37.5°	2000.3	1673.1	947.0	273.5	151.3	144.1	140.8	139.2	138.7	139.7	140.3
40°	2031.5	1691.2	872.5	198.9	138.7	133.7	128.8	123.9	123.9	127.7	128.2
42.5°	2009.6	1670.9	786.4	164.4	129.9	122.8	115.1	110.7	112.9	116.7	117.8
45°	1963.0	1621.1	691.6	145.2	121.1	111.8	103.0	100.3	102.5	107.4	108.5
47.5°	1955.4	1588.2	578.2	132.6	111.8	102.5	93.2	90.4	93.2	97.0	98.1
50°	2031.5	1616.7	452.1	121.7	103.0	92.6	84.9	82.2	83.8	86.0	87.1
52.5°	2170.7	1722.4	365.0	111.2	92.6	82.8	77.8	74.5	74.5	76.7	77.3
55°	2376.2	1907.1	315.1	99.2	80.6	75.1	70.7	67.4	67.4	68.5	69.1
57.5°	2613.0	2130.7	326.6	83.3	70.7	68.0	64.1	61.4	62.5	62.5	62.5
60°	2580.1	2114.3	349.6	70.1	62.5	61.4	58.1	57.0	59.7	57.5	56.4
62.5°	1900.6	1460.5	183.0	57.5	53.7	52.6	50.4	52.6	56.4	50.4	48.2
65°	922.9	707.0	73.4	47.1	45.5	44.4	43.3	46.6	48.8	39.5	37.3
67.5°	217.0	176.5	47.7	40.0	37.8	35.6	36.7	37.3	35.6	26.9	25.8
70°	56.4	55.4	37.3	33.4	30.1	27.9	27.9	27.4	23.6	17.0	15.9
72.5°	30.7	30.1	26.9	25.2	20.8	18.6	19.2	17.0	13.2	9.9	9.3
75°	15.3	16.4	15.3	14.2	11.5	10.4	10.4	9.3	6.6	3.8	3.8
77.5°	3.3	3.8	3.8	3.3	2.7	2.2	2.2	2.7	1.1	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	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)