

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: P630773

Luminaire Tested: GWS-SA1E-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630773  
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-735-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) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

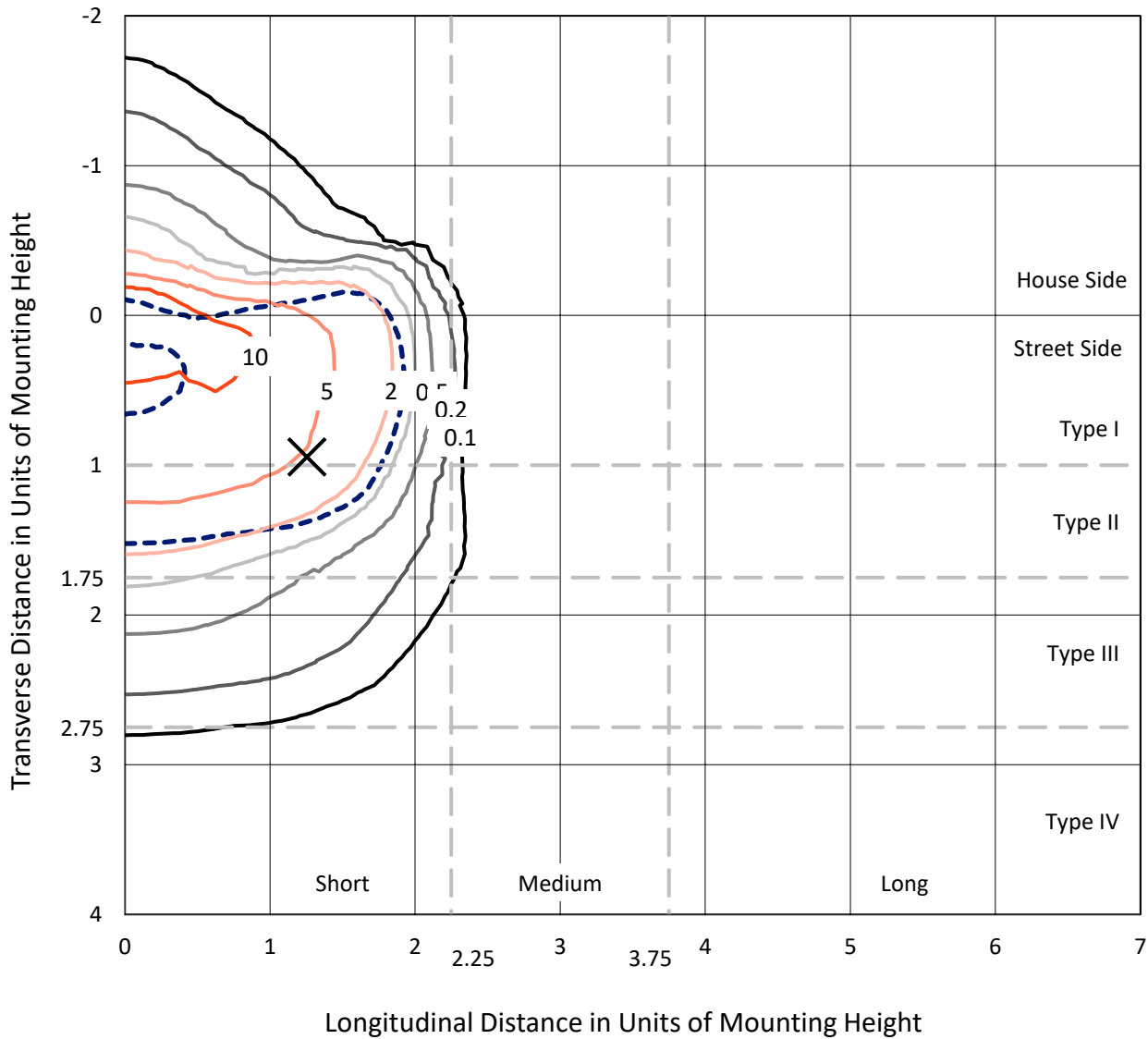
Lumens per Lamp: N/A  
Luminaire Lumens: 4371.4 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

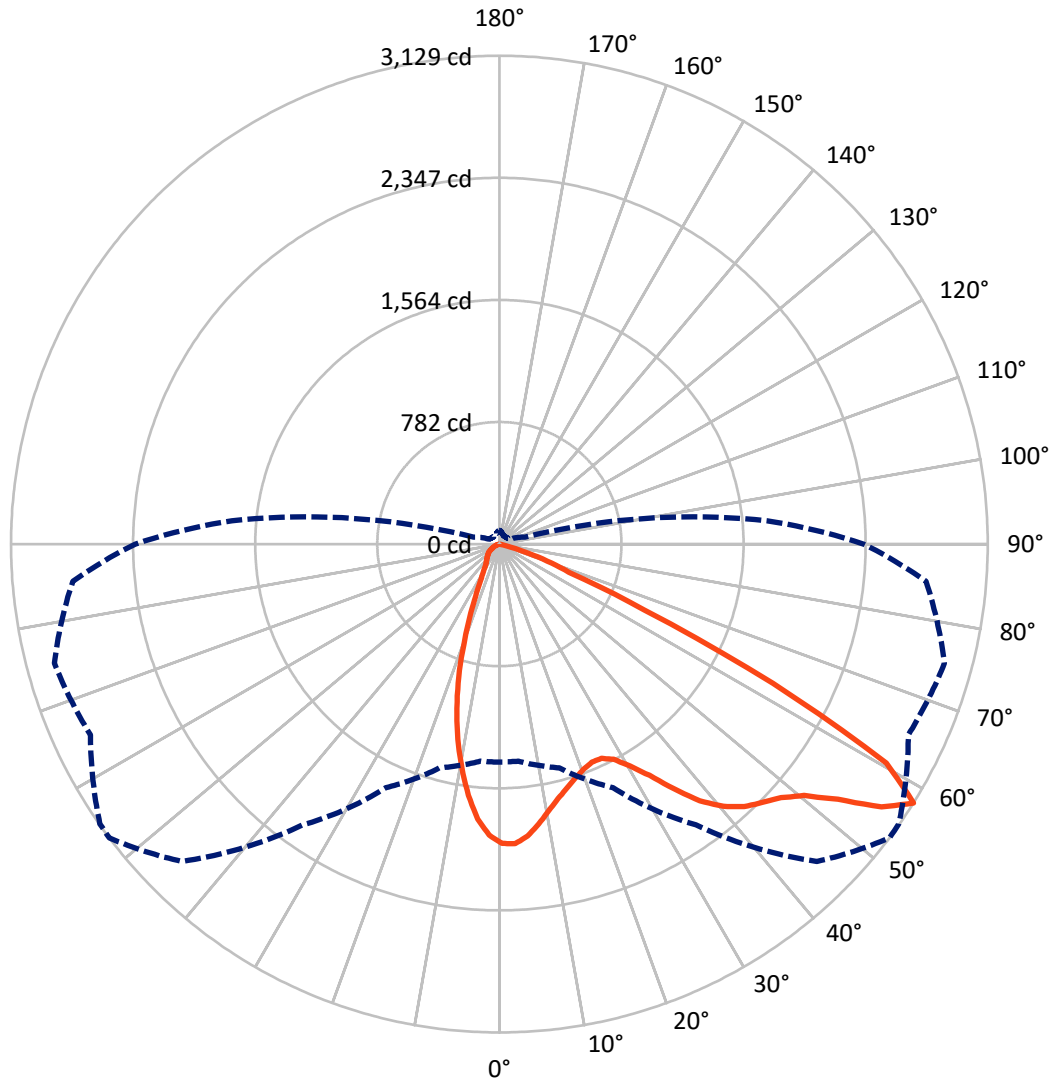
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	722.1	0.0	722.1
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	3649.3	0.0	3649.3
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	4371.4	0.0	4371.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.1	3.8
10°-20°	360.2	8.2
20°-30°	469.2	10.7
30°-40°	680.6	15.6
40°-50°	982.1	22.5
50°-60°	1187.7	27.2
60°-70°	484.1	11.1
70°-80°	43.5	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°	4371.4	100.0
0°-180°	4371.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P630773

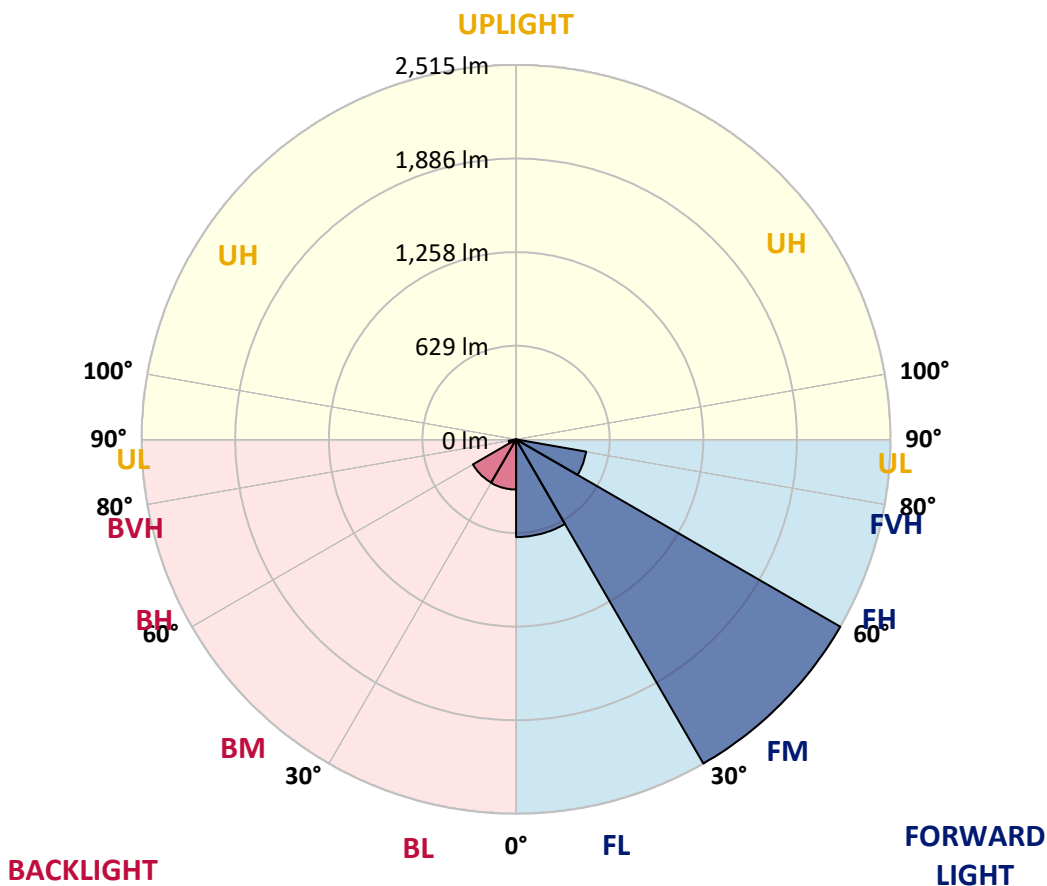
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	656.4	15.0			
FM (30°-60°)	2515.2	57.5			
FH (60°-80°)	477.6	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	337.0	7.7	B1/500		
BM (30°-60°)	335.2	7.7	B1/1000		
BH (60°-80°)	49.9	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: P630773

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
2.5°	1890.8	1895.0	1902.5	1912.2	1918.6	1921.8	1921.8	1930.9	1925.0	1920.2	1914.9
5°	1809.9	1814.1	1824.3	1839.9	1855.4	1866.6	1879.5	1889.1	1892.9	1892.9	1883.8
7.5°	1695.7	1701.6	1708.1	1729.5	1763.2	1788.4	1810.4	1824.3	1844.7	1851.1	1838.3
10°	1573.0	1578.9	1593.4	1622.9	1661.4	1698.9	1736.5	1754.1	1789.0	1807.2	1792.7
12.5°	1469.1	1471.8	1491.1	1526.4	1575.7	1627.2	1672.7	1690.9	1740.2	1767.5	1750.4
15°	1383.4	1385.0	1404.3	1443.4	1500.2	1563.4	1620.7	1639.5	1700.0	1741.3	1715.6
17.5°	1318.5	1319.1	1335.7	1378.0	1437.5	1507.7	1575.7	1598.8	1677.0	1726.8	1688.2
20°	1285.9	1284.3	1296.0	1333.0	1389.3	1459.5	1539.8	1568.2	1664.1	1724.7	1667.3
22.5°	1286.4	1282.6	1287.5	1313.7	1361.4	1427.3	1517.3	1549.5	1665.2	1733.8	1649.7
25°	1316.9	1311.6	1312.7	1326.6	1360.3	1420.3	1520.5	1554.8	1686.6	1764.3	1643.2
27.5°	1368.4	1362.5	1362.5	1369.4	1387.7	1442.3	1560.7	1599.8	1744.0	1823.8	1656.6
30°	1434.8	1428.9	1426.8	1433.7	1448.7	1499.1	1650.2	1690.9	1842.0	1921.3	1699.5
32.5°	1510.9	1503.9	1507.7	1517.3	1531.8	1601.4	1765.4	1819.5	1964.7	2052.6	1776.6
35°	1591.3	1585.4	1602.5	1623.4	1645.9	1743.4	1924.5	1971.7	2115.2	2216.0	1894.5
37.5°	1667.9	1665.2	1701.1	1745.0	1791.6	1913.8	2086.3	2122.7	2244.4	2393.9	2038.6
40°	1744.5	1744.0	1805.6	1882.7	1957.2	2083.6	2209.0	2239.0	2323.1	2532.1	2176.9
42.5°	1830.2	1830.2	1915.4	2018.3	2117.4	2227.2	2299.0	2312.4	2358.5	2611.9	2280.8
45°	1912.2	1917.0	2015.6	2135.1	2252.4	2339.2	2361.2	2362.2	2373.0	2659.1	2367.1
47.5°	1977.0	1981.3	2099.2	2236.9	2363.3	2424.4	2427.6	2422.8	2411.0	2704.1	2433.5
50°	2029.5	2036.0	2159.2	2304.9	2439.4	2506.4	2531.0	2526.2	2496.2	2752.3	2480.1
52.5°	2055.2	2064.3	2180.1	2338.7	2524.0	2646.7	2715.3	2726.6	2623.7	2779.1	2524.6
55°	1849.5	1862.9	1969.5	2186.5	2571.2	2863.7	2971.4	2969.3	2761.9	2858.9	2632.8
57.5°	1396.8	1395.7	1484.1	1721.5	2196.1	2876.0	3128.9	3124.7	2891.1	2951.6	2743.7
60°	951.0	944.6	968.1	1082.8	1535.5	2343.0	2847.7	2905.5	2799.4	2726.6	2329.6
62.5°	782.8	776.9	769.4	737.8	881.9	1459.5	1967.4	2055.2	2041.3	1895.0	1461.1
65°	640.8	645.6	666.5	653.1	613.5	748.5	1021.2	1073.2	981.0	825.6	510.6
67.5°	472.6	474.7	502.0	572.7	551.3	498.3	480.6	489.2	286.6	131.8	85.2
70°	279.1	280.7	305.9	400.8	447.4	382.5	324.7	319.9	113.6	35.4	38.6
72.5°	158.1	154.8	159.7	190.7	243.8	203.1	167.2	152.2	34.3	19.8	19.8
75°	75.0	72.9	62.7	58.9	53.6	34.3	21.4	18.2	8.6	8.0	8.0
77.5°	0.5	1.6	1.1	1.6	1.6	1.1	0.5	0.5	1.6	1.6	2.1
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5	1917.5
2.5°	1905.2	1889.1	1885.4	1884.3	1869.3	1853.3	1836.6	1830.2	1820.6	1814.7	1819.5
5°	1869.3	1846.3	1825.9	1807.2	1774.0	1737.5	1705.9	1685.6	1666.3	1653.4	1656.6
7.5°	1818.4	1788.4	1741.8	1694.1	1633.0	1578.4	1517.3	1479.8	1445.0	1425.7	1434.8
10°	1764.3	1724.7	1650.2	1569.3	1473.4	1387.7	1300.3	1229.1	1187.8	1148.7	1153.0
12.5°	1711.3	1658.8	1547.3	1424.6	1303.5	1177.1	1045.3	946.7	879.2	830.5	823.0
15°	1662.0	1594.5	1447.1	1285.3	1120.3	952.1	783.8	642.9	564.7	516.5	513.3
17.5°	1618.0	1534.5	1343.2	1139.6	932.8	717.4	524.0	418.4	373.4	352.5	350.4
20°	1575.7	1473.9	1237.1	991.7	728.1	503.6	361.6	312.9	298.4	289.9	290.9
22.5°	1535.0	1408.0	1125.7	827.8	546.0	353.6	280.2	261.5	259.9	260.9	261.5
25°	1500.7	1347.5	1011.0	669.7	389.5	269.5	234.1	228.8	233.6	240.6	241.6
27.5°	1483.0	1298.2	899.0	510.6	281.8	219.1	203.1	205.2	213.8	221.3	222.3
30°	1487.9	1261.2	783.3	370.2	217.0	184.8	179.5	183.8	192.3	199.3	200.4
32.5°	1522.1	1242.5	664.9	269.5	178.4	161.3	159.1	162.3	169.8	175.2	175.7
35°	1590.2	1246.8	552.4	206.3	153.2	143.6	143.1	145.2	148.9	152.7	153.2
37.5°	1690.4	1281.6	441.5	171.4	138.8	131.8	129.7	129.7	132.3	133.9	135.0
40°	1798.1	1334.1	353.6	151.6	128.6	121.1	116.8	115.2	117.3	119.5	120.0
42.5°	1887.0	1386.6	287.2	137.7	120.5	110.4	105.0	103.9	106.6	110.4	111.4
45°	1955.0	1427.3	239.5	126.4	111.4	100.2	94.3	94.3	99.1	105.5	106.6
47.5°	2017.2	1460.0	204.1	116.3	102.9	91.1	85.2	86.3	94.3	102.9	104.5
50°	2059.5	1486.2	177.9	107.2	95.9	83.6	78.2	80.4	90.0	100.2	101.8
52.5°	2105.1	1518.4	160.7	99.1	89.5	77.7	72.9	74.5	85.2	96.4	98.6
55°	2231.0	1626.1	160.2	88.4	78.2	69.7	67.5	68.0	78.8	91.6	94.3
57.5°	2333.8	1720.9	170.9	74.5	65.4	61.1	60.0	60.5	70.2	84.7	87.9
60°	1930.9	1337.3	141.4	61.6	54.6	53.6	52.0	53.0	62.2	75.0	77.7
62.5°	1142.8	764.6	67.5	47.1	46.6	45.5	43.9	46.1	54.6	65.9	67.5
65°	390.6	226.6	42.9	38.6	39.6	38.0	36.4	38.6	46.1	52.5	53.0
67.5°	75.0	60.0	34.3	32.1	32.7	29.5	28.9	31.1	35.4	36.4	35.9
70°	39.1	34.8	26.3	26.3	25.2	20.9	20.9	23.0	23.0	21.4	20.9
72.5°	20.4	19.3	17.1	19.3	16.1	12.9	12.9	13.9	12.9	10.7	10.7
75°	8.0	8.0	7.5	9.6	7.0	5.9	5.4	6.4	4.8	3.8	3.8
77.5°	2.1	2.1	2.1	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)