

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: P635581

Luminaire Tested: GWS-SA3E-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10003 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

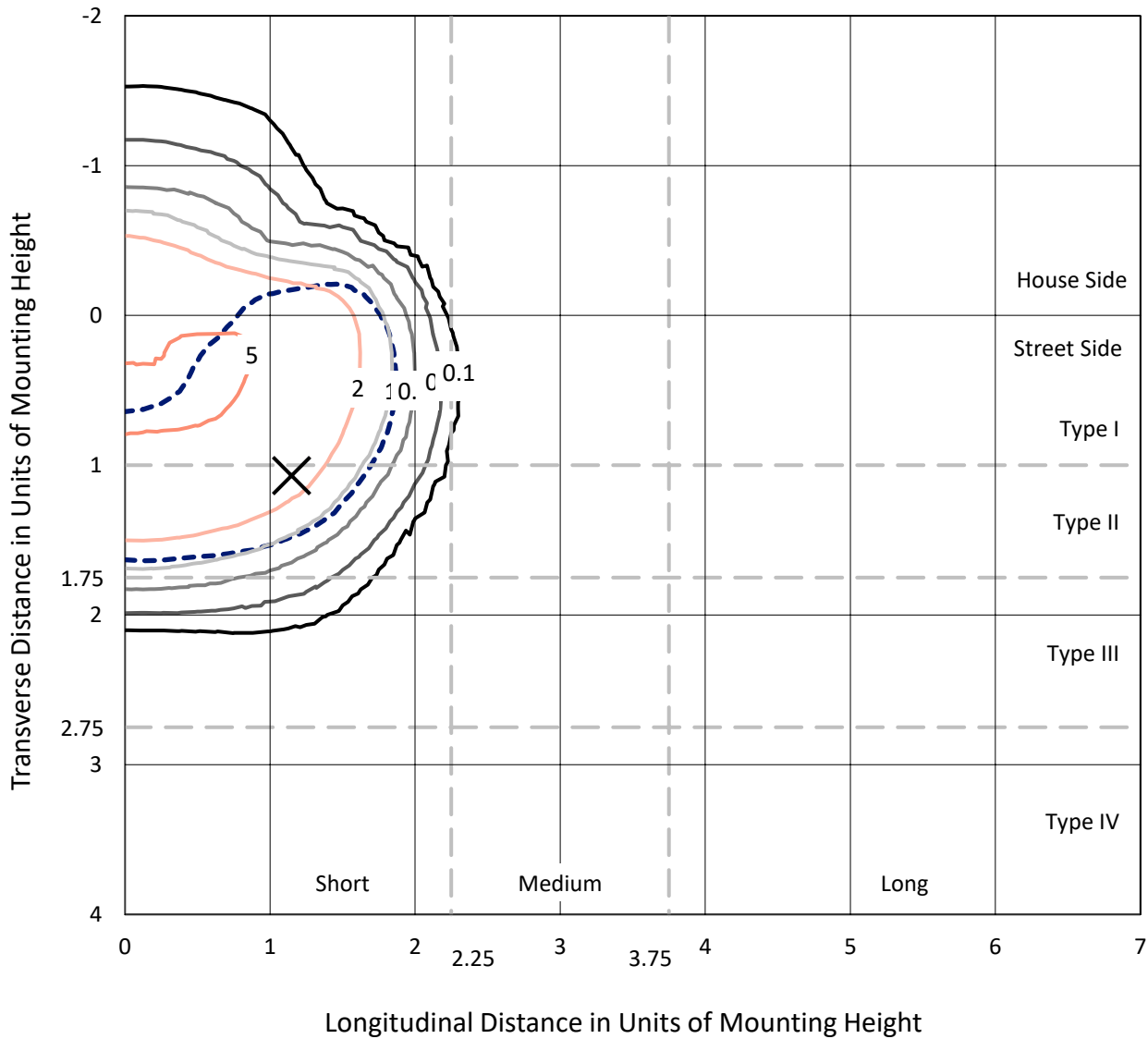
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635581
 CATALOG NUMBER: GWS-SA3E-722-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

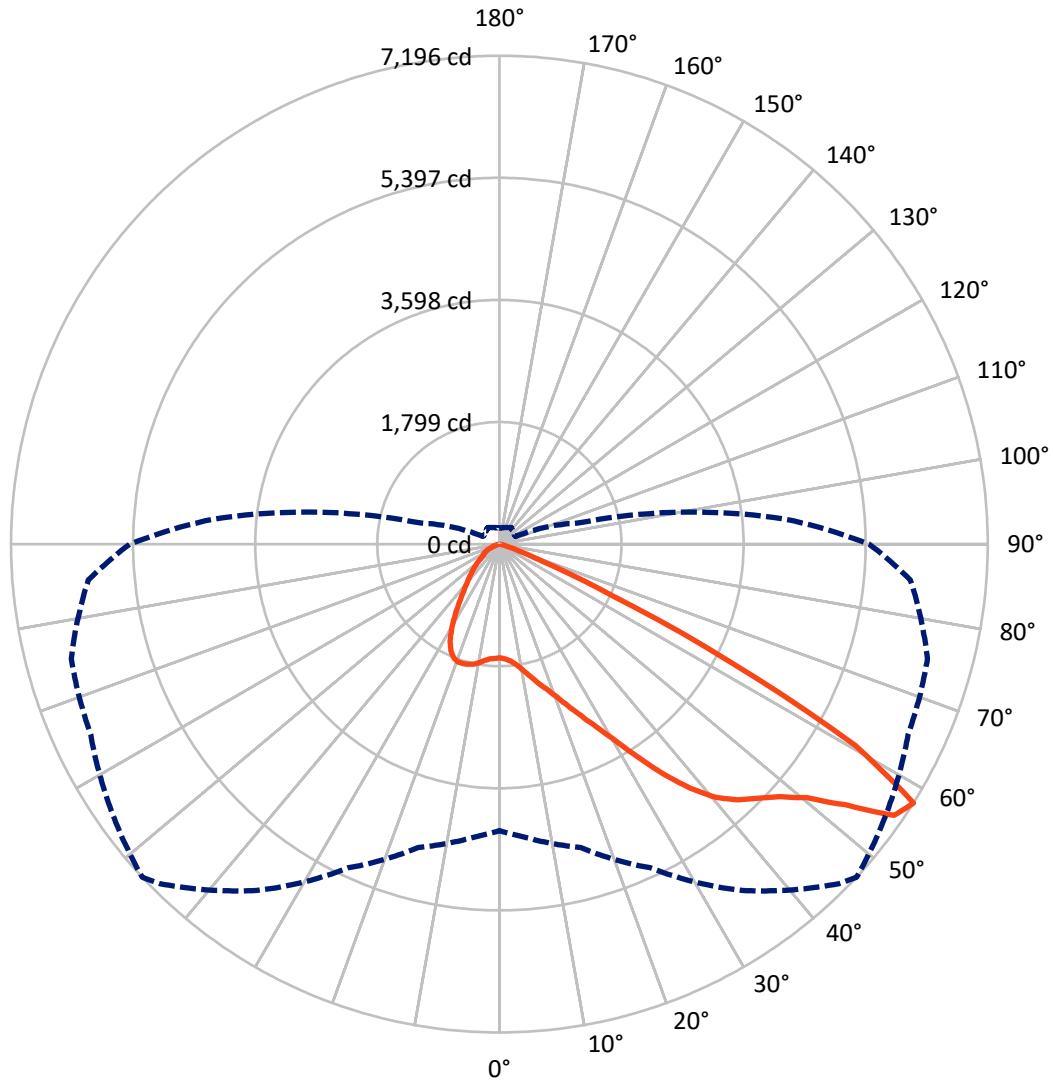
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Short - N/A

REPORT NUMBER: P635581
CATALOG NUMBER: GWS-SA3E-722-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P635581

CATALOG NUMBER: GWS-SA3E-722-U-T3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2170.1	0.0	2170.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	7832.9	0.0	7832.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	10003.0	0.0	10003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.6	1.7
10°-20°	562.1	5.6
20°-30°	1043.7	10.4
30°-40°	1670.8	16.7
40°-50°	2442.4	24.4
50°-60°	3014.3	30.1
60°-70°	1007.2	10.1
70°-80°	93.9	0.9
80°-90°	2.0	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°	10003.0	100.0
0°-180°	10003.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635581

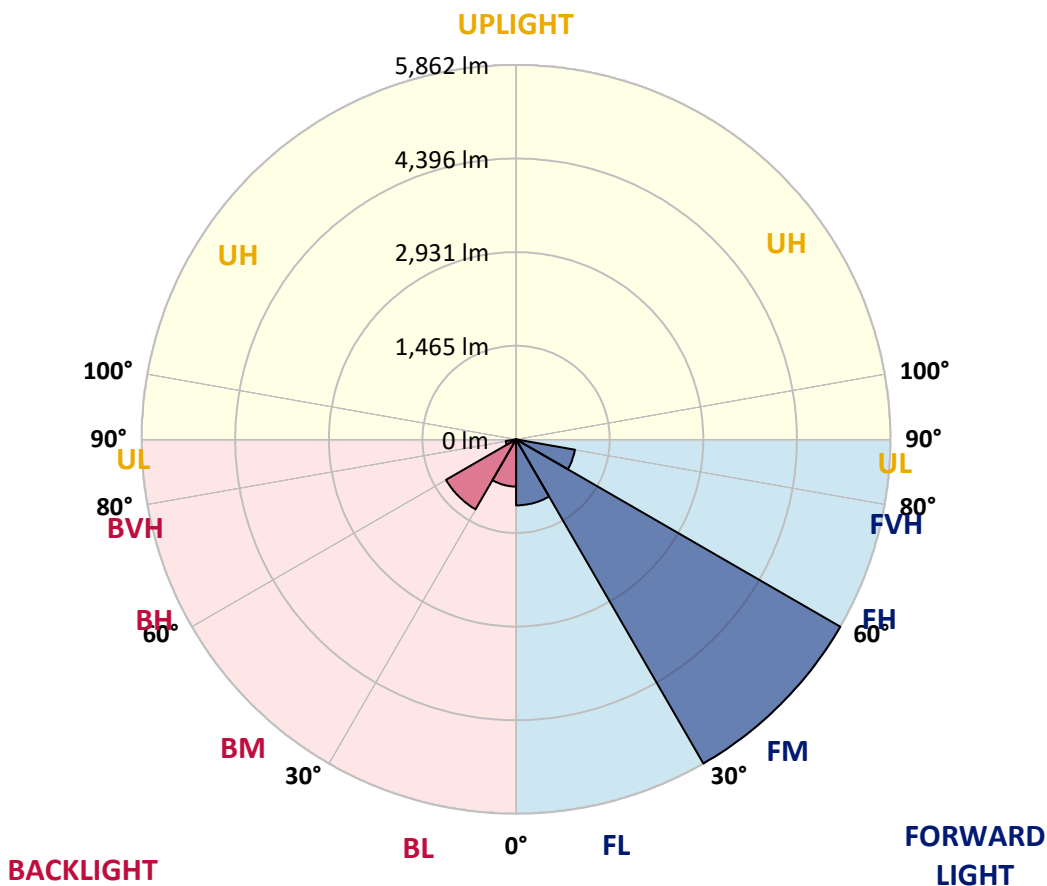
CATALOG NUMBER: GWS-SA3E-722-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1033.8	10.3			
FM (30°-60°)	5861.7	58.6			
FH (60°-80°)	936.1	9.4			G1/1800
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	738.7	7.4	B2/1000		
BM (30°-60°)	1265.9	12.7	B2/2500		
BH (60°-80°)	165.0	1.6	B1/500		G1/500
BVH (80°-90°)	0.6	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-G1

Type II Short





REPORT NUMBER: P635581

CATALOG NUMBER: GWS-SA3E-722-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5
2.5°	1691.9	1690.8	1689.6	1696.6	1694.3	1693.1	1695.4	1695.4	1695.4	1688.4	1674.5
5°	1732.6	1732.6	1731.4	1738.4	1732.6	1729.1	1730.3	1730.3	1725.6	1712.8	1695.4
7.5°	1796.4	1794.1	1791.8	1798.8	1793.0	1791.8	1794.1	1787.2	1779.0	1758.1	1733.7
10°	1888.2	1888.2	1884.7	1891.7	1887.0	1884.7	1884.7	1880.1	1865.0	1832.4	1796.4
12.5°	2014.8	2009.0	2000.8	1995.0	1992.7	1991.5	1992.7	1985.7	1969.5	1927.7	1877.7
15°	2152.9	2148.3	2135.5	2126.2	2113.5	2111.1	2118.1	2112.3	2096.0	2039.1	1968.3
17.5°	2327.1	2332.9	2300.4	2280.7	2243.5	2241.2	2243.5	2252.8	2241.2	2168.0	2064.7
20°	2475.8	2480.4	2456.0	2442.1	2408.4	2393.3	2398.0	2413.1	2400.3	2314.4	2170.4
22.5°	2634.9	2640.7	2615.1	2586.1	2571.0	2571.0	2588.4	2609.3	2591.9	2479.3	2291.1
25°	2825.3	2830.0	2809.0	2770.7	2744.0	2777.7	2803.2	2859.0	2830.0	2676.7	2434.0
27.5°	3043.6	3044.8	3014.6	2975.1	2961.2	3023.9	3049.4	3135.4	3123.7	2898.5	2584.9
30°	3277.0	3278.2	3271.2	3244.5	3231.7	3314.2	3349.0	3473.3	3465.2	3173.7	2790.5
32.5°	3519.7	3519.7	3532.5	3530.2	3545.3	3680.0	3735.7	3877.4	3869.3	3510.4	3045.9
35°	3763.6	3764.8	3786.8	3842.6	3905.3	4084.1	4157.3	4329.1	4310.5	3913.4	3372.3
37.5°	4041.1	4029.5	4059.7	4143.3	4282.7	4489.4	4559.0	4722.8	4701.9	4325.6	3798.4
40°	4375.6	4354.7	4354.7	4452.2	4610.1	4848.2	4907.4	4988.7	4917.9	4658.9	4216.5
42.5°	4744.8	4725.1	4699.6	4785.5	4917.9	5103.7	5152.4	5130.4	5072.3	4973.6	4692.6
45°	5118.8	5088.6	5106.0	5158.2	5234.9	5323.1	5341.7	5239.5	5212.8	5240.7	5086.2
47.5°	5403.3	5382.4	5425.3	5498.5	5561.2	5574.0	5561.2	5419.5	5417.2	5515.9	5359.1
50°	5498.5	5500.8	5619.3	5779.5	5880.5	5891.0	5873.6	5711.0	5688.9	5718.0	5506.6
52.5°	5507.8	5517.1	5690.1	5995.5	6270.7	6396.1	6382.2	6206.8	5990.9	5959.5	5729.6
55°	5283.7	5338.2	5579.8	6025.7	6611.0	7011.6	7058.0	6722.4	6401.9	6375.2	6209.2
57.5°	4223.4	4334.9	4626.4	5261.6	6231.2	7075.5	7196.2	6954.7	6644.6	6530.8	6080.3
60°	2524.5	2662.7	2942.6	3721.8	4742.5	5815.5	6023.4	6057.0	5914.2	5585.6	4664.7
62.5°	1083.4	1071.8	1416.7	2013.6	2820.7	3696.2	3790.3	3936.6	4060.9	3717.1	2831.1
65°	371.6	404.1	562.0	908.1	1412.1	1716.3	1799.9	1931.1	2107.7	1739.5	1037.0
67.5°	229.9	243.9	324.0	536.5	761.8	750.2	713.0	692.1	673.5	461.0	284.5
70°	167.2	178.8	227.6	369.3	512.1	360.0	312.4	253.2	281.0	259.0	202.1
72.5°	112.6	121.9	156.8	224.1	262.4	175.3	162.6	184.6	223.0	212.5	164.9
75°	67.4	73.2	89.4	109.2	106.8	90.6	91.7	130.1	170.7	159.1	117.3
77.5°	46.4	48.8	59.2	70.8	52.3	27.9	25.5	36.0	58.1	58.1	39.5
80°	11.6	15.1	15.1	9.3	8.1	7.0	7.0	10.5	16.3	11.6	5.8
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3	2.3
85°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
87.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
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: P635581

CATALOG NUMBER: GWS-SA3E-722-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5	1674.5
2.5°	1682.6	1668.7	1678.0	1675.7	1682.6	1685.0	1674.5	1672.2	1673.4	1659.4	1654.8
5°	1698.9	1682.6	1687.3	1682.6	1690.8	1697.7	1694.3	1698.9	1704.7	1694.3	1689.6
7.5°	1733.7	1717.5	1716.3	1709.4	1721.0	1725.6	1724.4	1737.2	1748.8	1741.9	1734.9
10°	1794.1	1772.1	1769.7	1763.9	1767.4	1770.9	1758.1	1760.4	1770.9	1762.8	1759.3
12.5°	1868.4	1841.7	1835.9	1822.0	1822.0	1804.6	1776.7	1770.9	1779.0	1773.2	1767.4
15°	1948.6	1912.6	1903.3	1878.9	1855.7	1823.2	1794.1	1787.2	1793.0	1786.0	1781.3
17.5°	2038.0	1997.3	1967.1	1924.2	1873.1	1834.8	1802.2	1787.2	1777.9	1763.9	1762.8
20°	2126.2	2072.8	2021.7	1953.2	1885.9	1827.8	1774.4	1734.9	1701.2	1680.3	1672.2
22.5°	2228.4	2149.5	2067.0	1970.6	1874.2	1786.0	1691.9	1624.6	1566.5	1546.8	1537.5
25°	2337.6	2235.4	2112.3	1986.9	1834.8	1693.1	1565.4	1465.5	1388.8	1363.3	1352.8
27.5°	2458.4	2317.8	2158.8	1983.4	1753.5	1560.7	1391.2	1266.9	1191.4	1168.2	1176.3
30°	2611.6	2424.7	2216.8	1947.4	1631.5	1374.9	1176.3	1071.8	1014.9	992.9	994.0
32.5°	2816.0	2578.0	2301.6	1870.8	1474.8	1163.6	989.4	912.7	874.4	845.4	843.1
35°	3108.6	2811.4	2380.5	1747.7	1284.3	975.4	848.9	788.5	735.1	701.4	707.2
37.5°	3459.3	3105.2	2423.5	1581.6	1070.7	829.1	743.2	681.6	621.3	571.3	577.1
40°	3875.1	3489.5	2420.0	1363.3	875.6	729.3	654.9	582.9	507.5	462.2	466.8
42.5°	4338.4	3853.0	2344.6	1132.2	725.8	648.0	570.2	479.6	406.4	378.6	379.7
45°	4740.2	4148.0	2212.2	893.0	610.8	569.0	481.9	389.0	356.5	336.8	335.6
47.5°	5037.5	4364.0	2022.9	702.6	517.9	497.0	396.0	348.4	322.8	306.6	304.2
50°	5203.5	4439.4	1813.9	550.4	437.8	421.5	354.2	315.9	298.4	288.0	285.7
52.5°	5426.5	4530.0	1664.1	434.3	367.0	344.9	326.3	293.8	282.2	274.1	270.6
55°	5779.5	4705.4	1534.0	344.9	305.4	300.8	307.7	281.0	274.1	261.3	256.6
57.5°	5447.4	4226.9	1191.4	267.1	257.8	275.2	297.3	268.2	250.8	239.2	234.6
60°	3833.3	2810.2	599.2	214.8	229.9	257.8	279.9	242.7	225.3	227.6	225.3
62.5°	2113.5	1406.3	269.4	180.0	199.7	227.6	239.2	210.2	198.6	218.3	221.8
65°	690.9	478.4	155.6	139.3	157.9	185.8	206.7	199.7	197.4	220.6	227.6
67.5°	212.5	157.9	105.7	99.9	109.2	137.0	174.2	216.0	232.2	239.2	242.7
70°	159.1	124.3	90.6	84.8	89.4	104.5	147.5	180.0	169.5	170.7	168.4
72.5°	127.7	98.7	77.8	74.3	74.3	72.0	77.8	97.5	110.3	116.1	116.1
75°	89.4	69.7	59.2	54.6	43.0	34.8	31.4	31.4	27.9	26.7	25.5
77.5°	30.2	25.5	23.2	18.6	12.8	10.5	9.3	8.1	5.8	3.5	2.3
80°	4.6	3.5	2.3	2.3	2.3	1.2	1.2	1.2	0.0	0.0	0.0
82.5°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	0.0	0.0	0.0	0.0
85°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	2.3	2.3	1.2	1.2	1.2	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)