

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: P634063

Luminaire Tested: GWS-SA3B-722-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6950.7 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

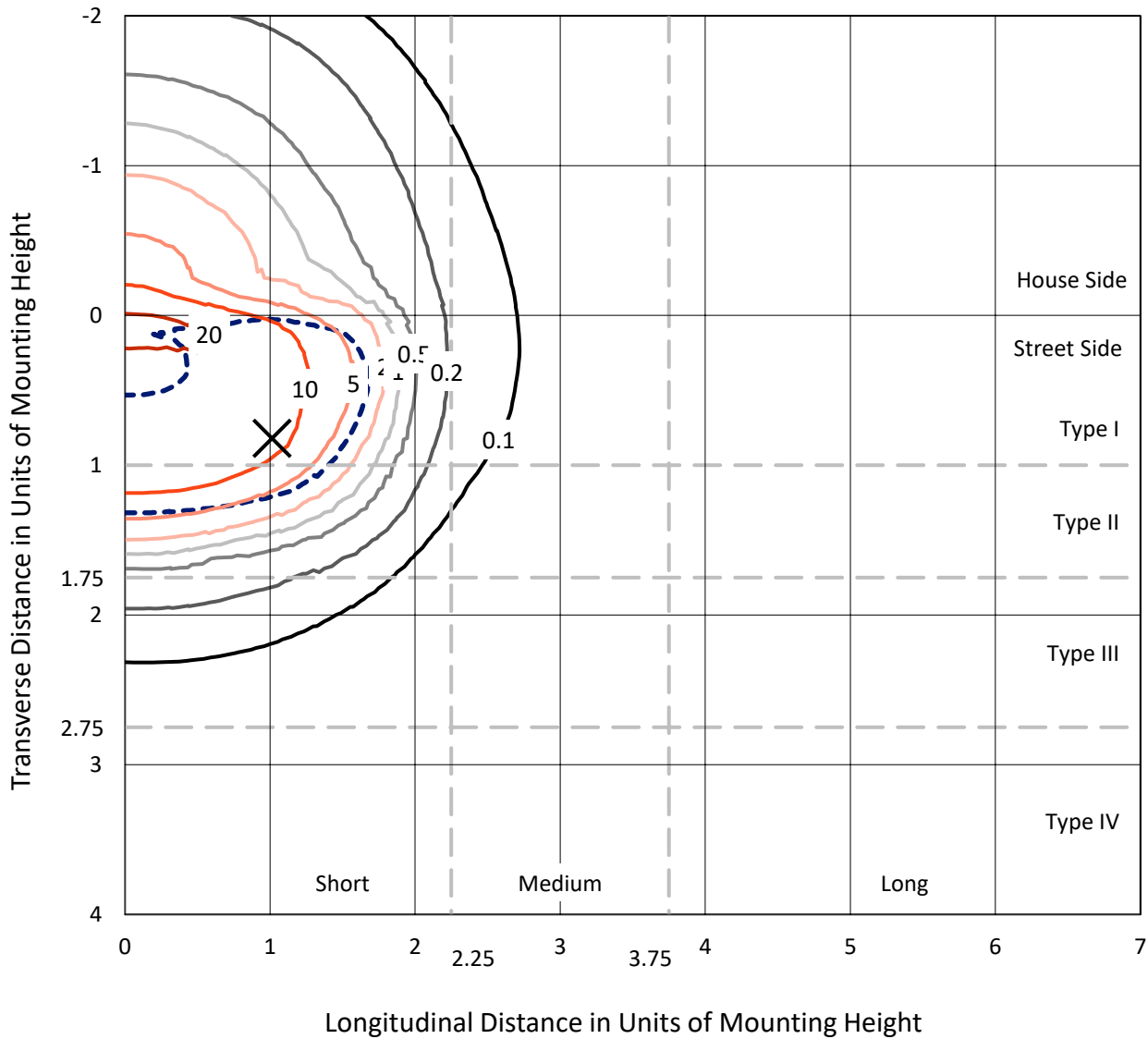
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634063
 CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

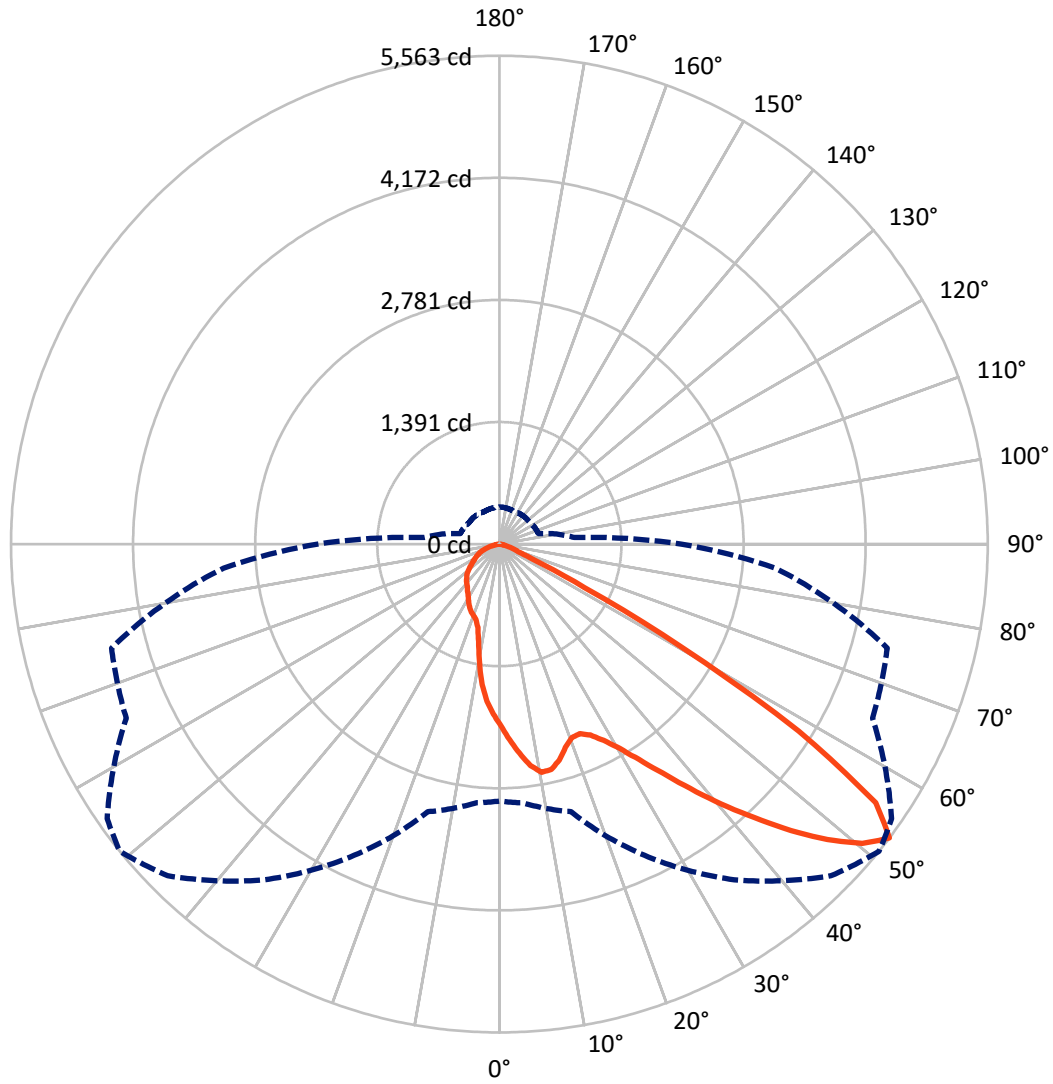
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.3 fc
 Type II - Short - N/A

REPORT NUMBER: P634063
CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P634063

CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1354.3	0.0	1354.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	5596.4	0.0	5596.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	6950.7	0.0	6950.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	2.8
10°-20°	501.8	7.2
20°-30°	815.9	11.7
30°-40°	1293.0	18.6
40°-50°	1950.1	28.1
50°-60°	1687.0	24.3
60°-70°	382.5	5.5
70°-80°	112.8	1.6
80°-90°	14.5	0.2
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°	6950.7	100.0
0°-180°	6950.7	100.0

Coefficient of Utilization



REPORT NUMBER: P634063

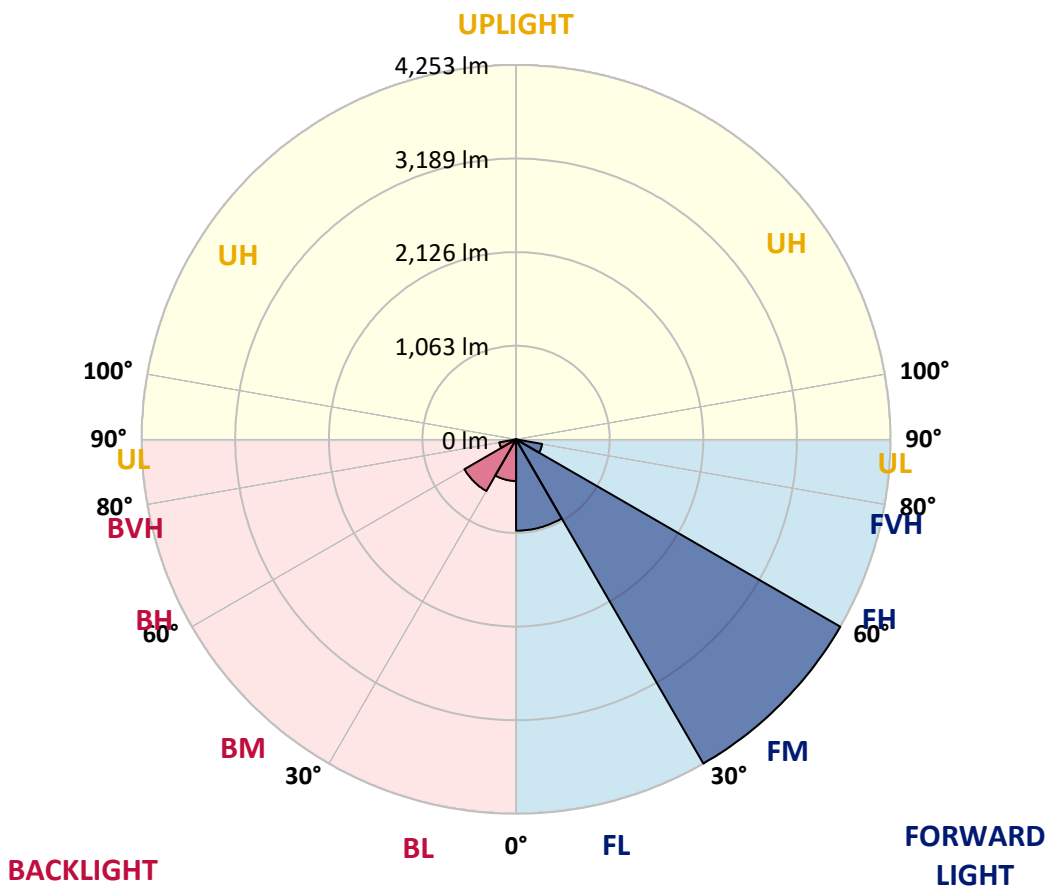
CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1037.4	14.9			
FM (30°-60°)	4252.5	61.2			
FH (60°-80°)	301.0	4.3			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	473.4	6.8	B1/500		
BM (30°-60°)	677.6	9.7	B1/1000		
BH (60°-80°)	194.2	2.8	B1/500		G1/500
BVH (80°-90°)	9.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P634063

CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6
2.5°	2306.3	2319.5	2299.2	2291.5	2278.8	2256.9	2231.6	2224.5	2170.1	2134.4	2094.3
5°	2538.1	2545.2	2528.7	2512.3	2481.0	2442.0	2393.1	2382.6	2283.8	2201.9	2116.8
7.5°	2589.7	2587.0	2601.2	2610.6	2606.7	2591.4	2548.0	2527.6	2409.6	2279.9	2154.2
10°	2385.4	2370.0	2422.7	2485.4	2560.6	2647.4	2642.4	2640.8	2538.1	2384.8	2201.9
12.5°	2114.6	2106.9	2149.8	2228.3	2370.6	2562.8	2634.7	2690.8	2654.0	2484.8	2255.2
15°	1959.7	1957.0	1986.1	2042.7	2155.8	2398.6	2552.4	2663.3	2753.4	2591.9	2311.8
17.5°	1931.7	1933.4	1943.2	1975.6	2056.9	2256.9	2434.8	2589.7	2830.8	2709.4	2382.6
20°	2013.5	2024.5	2007.5	2012.4	2056.4	2205.8	2354.6	2515.6	2880.3	2827.5	2459.0
22.5°	2195.3	2191.5	2154.2	2132.2	2132.7	2237.1	2345.8	2481.0	2912.7	2942.3	2528.2
25°	2401.3	2396.9	2352.4	2303.6	2272.8	2322.2	2409.0	2517.8	2941.8	3047.2	2583.7
27.5°	2644.6	2630.9	2581.5	2518.9	2450.7	2472.2	2530.9	2617.2	2986.8	3150.5	2620.5
30°	2880.3	2896.2	2825.3	2751.2	2679.2	2666.1	2700.1	2778.1	3078.5	3271.3	2664.4
32.5°	3192.8	3187.3	3108.7	3012.1	2909.4	2899.5	2926.4	2997.8	3243.3	3438.3	2731.4
35°	3571.2	3572.3	3460.8	3330.1	3184.0	3157.6	3202.7	3271.9	3488.8	3664.6	2837.4
37.5°	3964.5	3962.8	3865.6	3717.3	3517.9	3480.6	3532.2	3583.8	3795.9	3972.7	3002.2
40°	4240.2	4251.2	4205.6	4127.6	3938.7	3847.5	3893.1	3928.8	4129.8	4335.2	3219.1
42.5°	4396.7	4413.2	4423.1	4469.8	4370.4	4273.2	4256.7	4275.4	4428.0	4671.9	3422.9
45°	4430.2	4452.2	4524.2	4697.2	4735.6	4708.2	4654.3	4609.3	4650.5	4910.8	3556.4
47.5°	4282.5	4320.9	4474.7	4777.4	5002.0	5088.2	5028.4	4959.7	4779.0	4972.4	3542.7
50°	3697.0	3742.0	4088.6	4613.7	5039.9	5354.1	5359.6	5258.0	4763.6	4794.9	3370.2
52.5°	2926.9	2957.7	3156.0	3911.2	4668.1	5343.1	5562.8	5454.0	4689.5	4573.0	3154.3
55°	1749.4	1798.8	1983.9	2580.4	3636.6	4735.6	5203.6	5256.3	4653.2	4386.9	3007.1
57.5°	590.4	614.6	791.5	1139.7	2143.2	3467.4	4020.5	4234.7	4224.3	4102.3	2719.9
60°	281.2	286.7	322.4	432.3	857.9	1812.0	2379.9	2627.1	2852.2	2874.8	1692.2
62.5°	214.2	217.5	235.6	259.2	344.9	763.5	1090.8	1279.8	1367.1	1173.2	616.3
65°	179.1	181.8	195.5	210.4	234.5	330.6	418.5	482.8	435.0	338.9	293.8
67.5°	149.4	151.6	162.0	178.0	194.4	221.3	232.3	238.9	250.5	281.2	270.2
70°	117.0	119.2	130.2	143.9	159.8	166.4	176.9	183.4	206.5	246.1	245.0
72.5°	90.1	92.8	98.9	107.7	120.8	127.4	139.0	146.6	159.8	191.7	204.9
75°	65.9	67.6	73.1	75.8	77.4	75.8	87.3	96.1	113.7	125.8	129.1
77.5°	26.9	30.2	29.1	29.1	34.6	41.7	47.8	53.3	65.4	72.5	73.1
80°	11.0	12.1	14.3	15.9	19.2	24.7	28.6	30.8	36.3	40.6	43.9
82.5°	6.6	7.1	8.2	8.8	11.0	14.3	16.5	18.1	22.5	26.9	28.6
85°	3.3	3.3	3.8	4.4	5.5	6.6	7.7	8.8	11.5	14.3	15.9
87.5°	0.5	0.5	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.4	5.5
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: P634063
 CATALOG NUMBER: GWS-SA3B-722-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6	2069.6
2.5°	2070.7	2041.0	2006.4	1978.9	1947.1	1923.5	1890.0	1869.1	1849.3	1832.8	1820.8
5°	2072.9	2022.9	1950.9	1887.2	1821.3	1758.7	1694.4	1642.3	1595.6	1556.6	1553.3
7.5°	2085.5	2013.5	1901.0	1789.5	1660.9	1536.8	1412.7	1311.6	1234.7	1194.6	1186.4
10°	2106.9	2012.4	1849.9	1671.9	1452.8	1252.8	1105.6	1028.7	984.3	968.3	962.8
12.5°	2129.4	2009.7	1784.5	1506.0	1201.8	1026.5	945.8	936.5	944.7	945.8	945.3
15°	2156.9	2008.1	1702.1	1311.6	1018.3	921.6	927.1	946.9	966.1	970.5	970.5
17.5°	2190.4	2004.2	1590.1	1121.6	903.5	901.3	930.4	956.8	974.9	978.2	978.2
20°	2225.6	1994.3	1452.2	966.7	856.8	888.7	920.0	940.3	952.9	957.3	957.9
22.5°	2249.7	1968.0	1293.5	851.9	827.7	864.5	887.0	907.9	907.9	896.9	893.6
25°	2254.7	1911.4	1121.6	773.3	793.1	827.2	850.2	838.2	815.6	806.8	806.3
27.5°	2236.5	1829.0	951.8	717.3	751.4	785.4	781.6	764.0	754.1	745.3	748.6
30°	2214.6	1730.1	804.6	671.2	703.0	736.5	723.4	717.3	710.2	700.3	702.5
32.5°	2199.7	1619.7	691.5	635.5	670.6	676.1	685.5	684.9	678.3	659.6	658.5
35°	2204.1	1508.2	615.7	606.4	643.7	641.5	659.1	655.8	610.2	584.4	582.8
37.5°	2239.3	1401.1	571.2	583.3	600.9	614.6	630.0	590.4	574.5	558.0	559.1
40°	2306.3	1301.7	547.1	570.7	575.1	595.4	559.7	559.1	552.0	537.2	536.6
42.5°	2382.1	1217.7	530.6	564.6	558.6	562.4	524.5	528.9	528.4	519.0	516.3
45°	2428.2	1140.2	517.4	542.1	543.8	505.3	493.8	498.7	501.5	496.5	496.0
47.5°	2380.4	1051.3	503.7	507.5	521.8	479.5	465.2	465.8	470.7	471.3	469.1
50°	2246.4	951.8	487.2	477.8	468.5	452.6	439.4	436.7	441.6	446.5	448.2
52.5°	2073.4	856.8	459.7	445.4	423.5	423.5	417.4	408.6	415.2	421.8	424.0
55°	1946.5	786.5	420.7	404.8	380.6	388.9	387.8	380.1	388.9	393.8	395.5
57.5°	1686.7	632.2	370.2	365.3	344.9	354.8	357.0	347.1	342.7	343.8	345.5
60°	1001.3	408.1	333.9	333.4	315.3	326.8	333.4	323.5	310.3	312.0	314.2
62.5°	449.3	312.0	288.4	286.2	285.6	300.4	307.6	298.2	279.6	281.2	283.4
65°	282.9	269.7	250.5	250.5	259.2	271.9	277.4	269.7	248.3	245.5	247.7
67.5°	262.5	251.0	231.2	227.4	231.8	242.2	242.8	227.9	215.3	213.1	213.1
70°	235.6	226.8	207.6	199.9	198.3	197.7	196.1	192.2	184.0	181.8	182.9
72.5°	195.0	188.9	176.9	168.6	164.2	163.7	157.1	153.8	146.6	145.6	145.0
75°	129.1	130.7	130.7	129.6	125.8	124.1	117.0	113.7	105.5	102.2	101.6
77.5°	76.3	78.0	80.2	80.7	80.2	80.2	73.6	69.8	61.5	57.1	56.0
80°	46.7	47.8	48.9	50.5	48.3	46.7	40.6	36.8	33.0	30.2	29.7
82.5°	30.2	31.3	31.9	33.0	31.9	29.7	24.7	22.5	19.8	17.6	17.0
85°	17.0	17.6	18.7	18.7	17.0	15.4	12.6	11.0	9.3	8.2	8.2
87.5°	6.0	6.0	6.0	6.6	5.5	4.9	3.3	2.2	1.6	1.6	1.6
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)