

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: P629117

Luminaire Tested: GWS-SA1B-722-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-722-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2688.3 lumens
Efficiency: N/A
Efficacy: 107.5 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

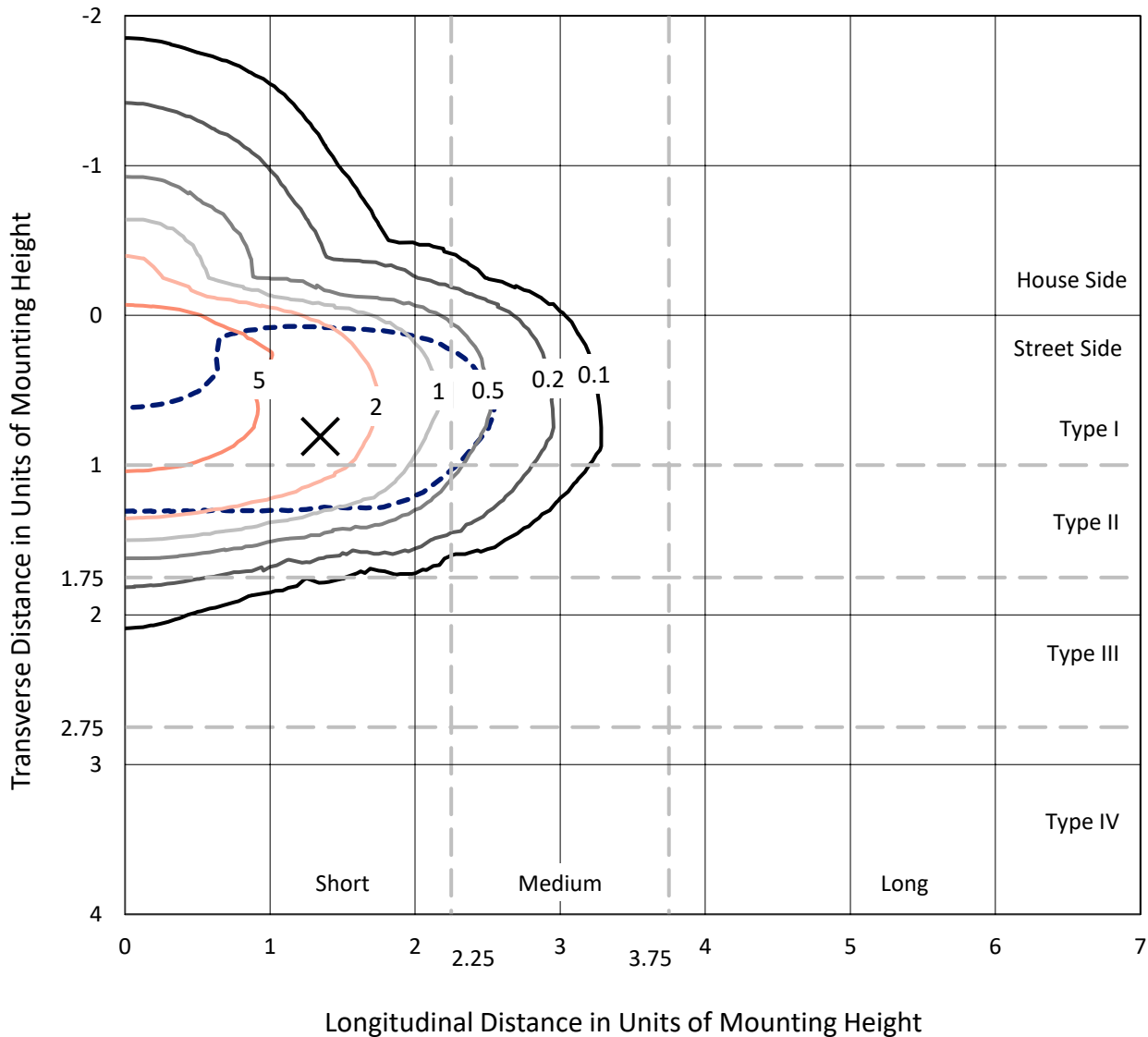
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

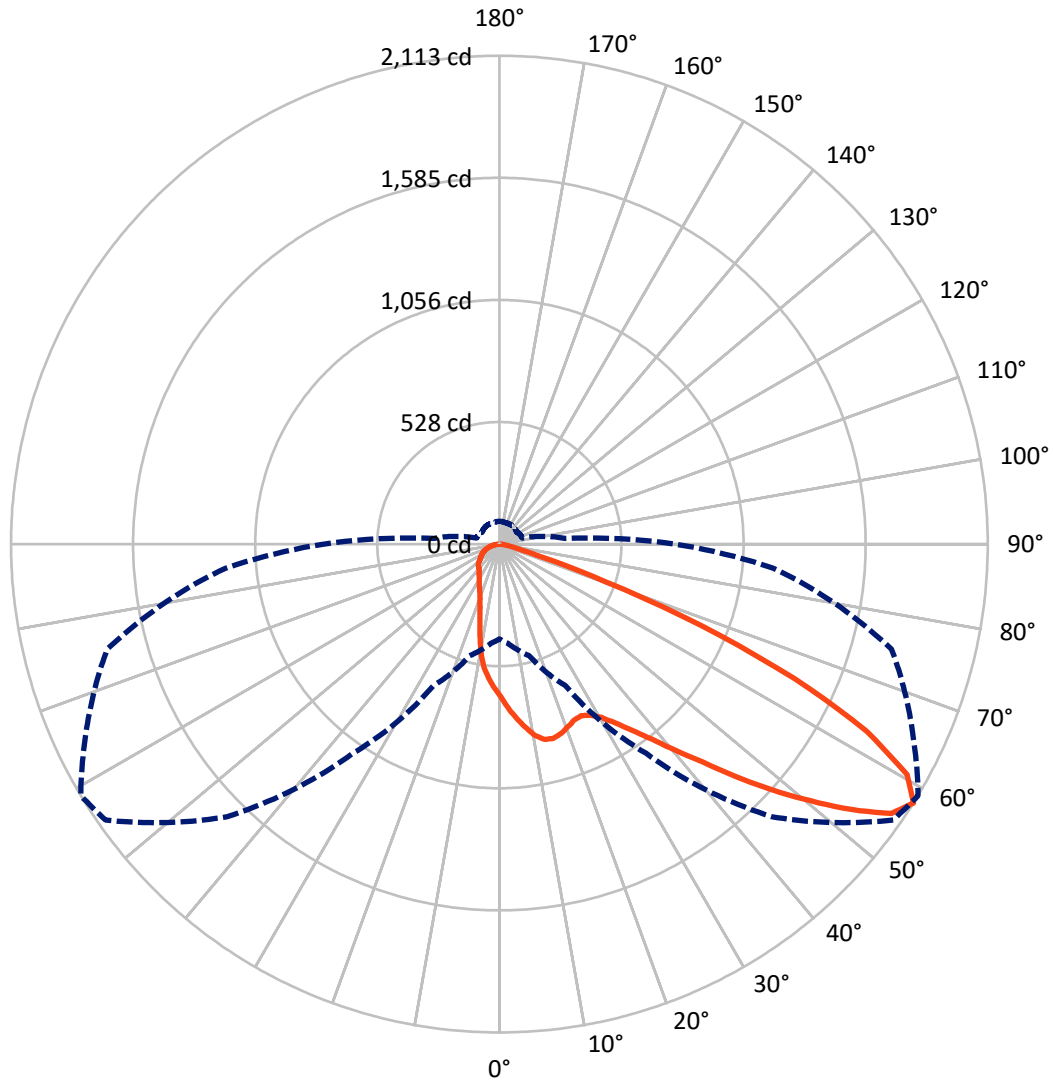
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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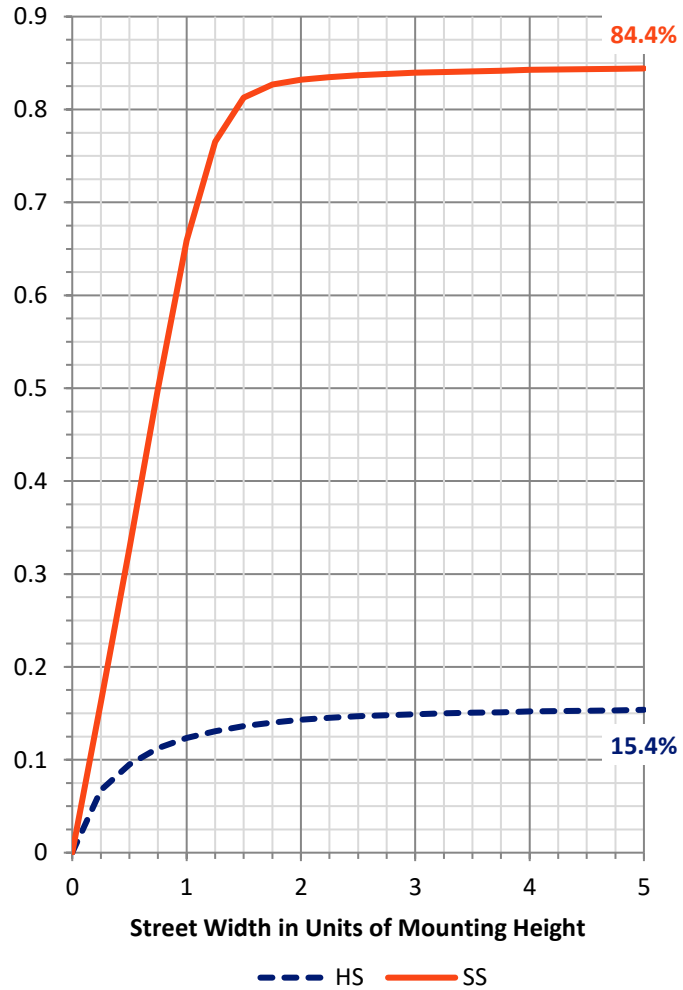
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	417.2	0.0	417.2
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	2271.1	0.0	2271.1
	% Fixture	84.5	0.0	84.5
Total	Lumens	2688.3	0.0	2688.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	2.3
10°-20°	155.3	5.8
20°-30°	251.7	9.4
30°-40°	404.9	15.1
40°-50°	628.7	23.4
50°-60°	677.2	25.2
60°-70°	393.0	14.6
70°-80°	102.6	3.8
80°-90°	13.5	0.5
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°	2688.3	100.0
0°-180°	2688.3	100.0

Coefficient of Utilization



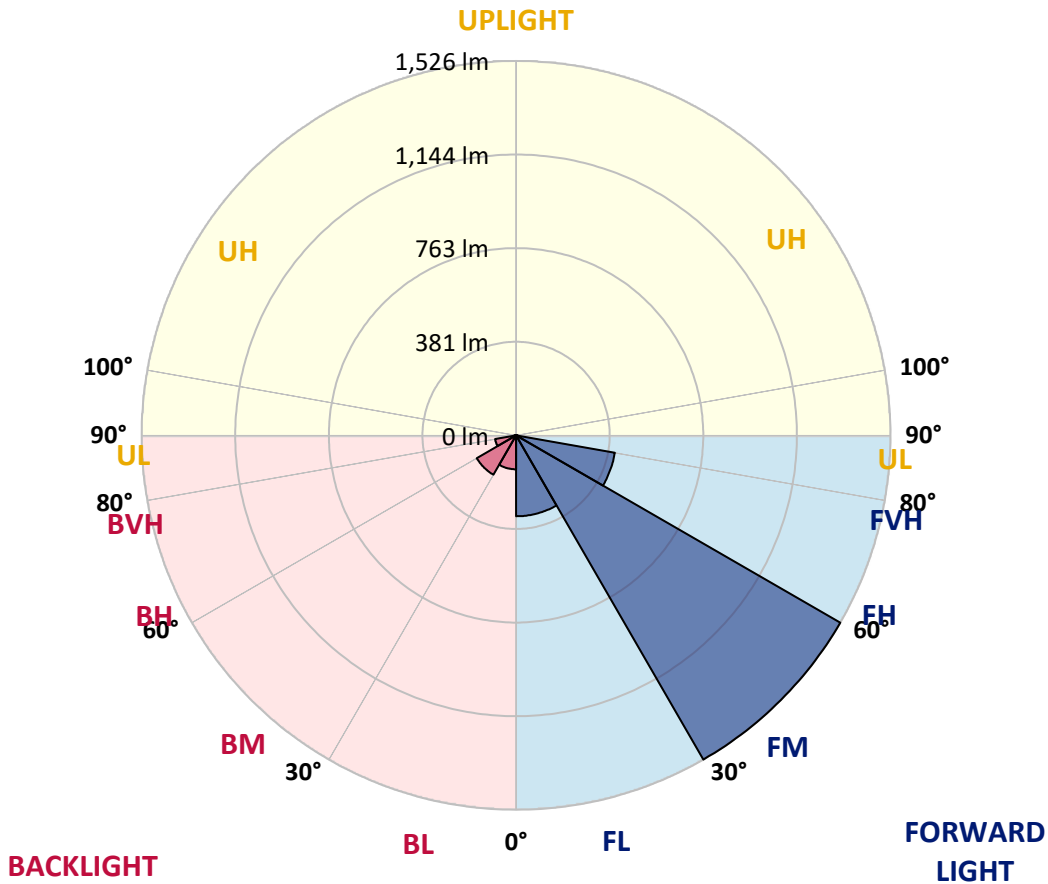
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.8	12.3			
FM (30°-60°)	1525.9	56.8			
FH (60°-80°)	408.9	15.2			G0/660
FVH (80°-90°)	6.5	0.2			G0/10
BL (0°-30°)	138.4	5.1	B1/500		
BM (30°-60°)	185.0	6.9	B0/220		
BH (60°-80°)	86.8	3.2	B0/110		G0/110
BVH (80°-90°)	7.0	0.3			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°	55°	59°	65°	75°	85°
0°	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9
2.5°	748.5	742.2	746.6	738.8	735.6	727.1	716.1	708.8	697.4	682.6	669.8
5°	822.9	818.5	819.5	811.1	803.8	789.6	767.0	754.6	735.2	705.5	677.9
7.5°	820.6	825.7	828.5	835.7	837.8	836.5	816.2	798.8	777.6	733.0	691.3
10°	735.6	745.3	754.0	778.6	808.5	846.3	851.1	840.7	819.3	768.0	707.4
12.5°	643.1	650.5	658.2	687.7	733.5	809.2	860.5	867.0	858.4	802.6	725.6
15°	597.7	601.1	608.4	627.9	664.5	748.5	844.1	872.3	887.6	839.3	746.0
17.5°	595.8	597.3	600.9	611.3	636.6	701.6	814.4	861.7	910.5	878.1	769.9
20°	634.9	631.0	628.7	628.5	641.0	685.9	785.6	844.6	921.3	917.9	795.4
22.5°	689.3	690.6	685.7	673.6	672.0	697.0	771.2	827.4	924.5	953.1	819.1
25°	766.3	772.9	758.3	735.2	723.9	729.4	780.1	822.1	924.1	982.4	833.8
27.5°	856.2	861.3	846.5	816.2	792.8	779.5	806.6	837.8	927.3	1007.8	842.7
30°	958.6	960.3	940.0	908.2	874.0	845.6	850.7	870.2	943.8	1041.1	853.2
32.5°	1083.7	1090.9	1060.2	1009.9	962.0	925.6	909.9	922.4	979.4	1080.4	869.2
35°	1242.4	1244.9	1205.9	1133.8	1066.1	1015.7	982.8	989.4	1033.5	1135.5	893.5
37.5°	1392.1	1394.6	1353.2	1286.2	1189.3	1120.4	1072.7	1069.7	1102.8	1213.3	933.0
40°	1487.1	1494.1	1475.6	1433.6	1341.0	1248.1	1183.4	1173.0	1193.6	1308.5	988.1
42.5°	1538.2	1541.3	1540.9	1546.4	1491.3	1399.0	1308.3	1287.5	1301.3	1411.3	1043.7
45°	1538.6	1546.2	1566.4	1619.2	1621.7	1564.2	1466.1	1433.6	1420.9	1514.8	1101.8
47.5°	1469.7	1477.9	1533.5	1637.4	1714.1	1727.1	1655.2	1589.9	1536.5	1603.9	1149.5
50°	1261.2	1281.6	1387.6	1571.4	1732.2	1857.7	1835.6	1747.0	1639.3	1672.8	1179.4
52.5°	1080.1	1079.3	1144.6	1384.8	1656.3	1915.2	2010.1	1908.6	1740.9	1716.5	1187.0
55°	790.9	795.2	862.0	1059.1	1453.8	1859.6	2106.0	2057.4	1857.5	1739.8	1184.0
57.5°	410.1	431.7	500.2	675.8	1104.7	1668.1	2080.5	2112.8	1976.0	1756.3	1187.9
60°	207.2	203.1	227.7	322.7	640.1	1302.8	1923.0	2026.1	1997.4	1769.1	1190.4
62.5°	138.3	137.2	130.4	149.5	261.5	771.6	1639.3	1783.9	1848.8	1738.9	1159.0
65°	119.8	117.5	105.0	104.3	127.0	320.0	1201.6	1402.4	1528.0	1604.3	1083.8
67.5°	107.9	104.5	91.8	85.5	91.2	140.6	677.1	940.6	1128.3	1356.8	919.2
70°	96.3	94.6	81.9	72.9	72.3	85.7	249.4	485.4	690.4	925.6	672.0
72.5°	86.3	83.3	72.5	63.8	59.4	60.8	108.3	187.0	357.3	577.4	402.0
75°	74.8	72.5	63.0	54.3	49.0	44.5	66.0	86.5	162.9	274.4	189.8
77.5°	57.7	56.2	49.8	43.1	40.1	33.1	40.1	54.5	75.3	115.6	98.8
80°	33.5	34.4	37.1	33.7	29.5	23.7	26.1	31.4	45.2	62.6	56.0
82.5°	16.8	18.0	24.0	19.5	17.6	13.8	15.5	18.5	23.7	34.6	22.0
85°	1.3	1.3	4.4	4.9	6.1	4.9	6.2	7.6	10.8	13.8	7.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9	1.7	3.2	2.1
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°	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9	659.9
2.5°	661.1	651.4	639.9	630.4	615.8	608.1	598.2	586.1	581.2	578.9	577.6
5°	662.4	645.4	620.7	598.0	572.9	553.0	530.9	507.8	494.5	491.3	489.0
7.5°	667.3	643.5	604.3	566.8	520.1	476.7	434.5	392.7	371.3	363.2	362.4
10°	674.1	642.7	587.6	525.4	446.4	377.9	328.5	295.8	282.0	277.4	275.9
12.5°	682.6	642.1	565.7	467.8	361.5	296.7	268.5	263.3	265.1	264.8	264.8
15°	693.4	642.9	539.2	402.7	292.4	257.6	258.1	264.4	270.3	271.2	271.2
17.5°	705.2	642.1	500.8	337.4	250.9	248.3	257.0	265.7	271.0	271.8	271.8
20°	717.8	638.5	452.3	275.9	232.8	242.4	251.9	258.7	261.9	262.7	262.7
22.5°	725.4	628.3	399.7	233.5	221.2	233.2	239.4	246.4	246.8	240.7	240.5
25°	724.3	609.2	339.7	206.3	208.9	219.3	227.3	222.4	216.3	212.9	212.3
27.5°	717.1	580.4	278.6	185.7	194.4	206.1	203.6	199.5	198.0	194.2	193.8
30°	708.0	545.0	223.7	169.6	179.2	190.0	186.2	185.8	184.3	180.2	180.2
32.5°	699.3	508.5	182.3	157.6	169.6	170.3	175.6	176.0	175.2	168.1	167.3
35°	696.8	472.0	154.2	148.2	160.1	159.7	167.3	167.1	154.1	144.0	143.8
37.5°	704.2	434.9	137.6	140.4	147.0	152.0	158.0	147.0	142.7	136.6	136.3
40°	719.9	400.6	129.1	135.9	138.7	145.9	136.5	137.2	136.1	131.5	131.0
42.5°	740.7	371.5	124.3	134.4	134.0	135.9	125.5	128.5	130.2	126.8	126.2
45°	760.8	346.1	121.9	128.7	130.6	119.6	117.5	120.4	123.0	121.7	121.1
47.5°	775.6	324.2	120.6	120.9	126.2	114.1	110.7	112.0	115.3	115.8	115.6
50°	780.1	305.5	119.0	114.5	113.4	108.6	106.0	105.6	109.4	112.0	112.4
52.5°	771.4	288.8	115.1	108.8	103.3	104.1	103.1	101.3	105.0	108.6	109.0
55°	758.5	279.3	108.8	103.3	96.9	99.9	100.3	98.6	101.1	103.5	103.5
57.5°	759.5	284.8	102.8	98.2	91.2	95.2	97.3	96.5	96.5	98.4	98.6
60°	765.7	292.8	98.8	91.8	85.5	89.7	94.4	93.7	92.0	94.4	94.4
62.5°	747.7	282.2	96.1	85.5	79.5	84.4	90.1	89.7	87.8	91.8	92.2
65°	694.7	253.8	93.1	77.8	73.4	79.1	84.0	85.4	83.6	88.9	89.9
67.5°	582.3	213.5	87.2	70.4	67.4	72.7	77.4	79.3	78.0	84.2	85.0
70°	434.1	172.8	78.0	62.3	60.0	64.7	69.1	69.8	70.0	77.4	78.2
72.5°	276.9	134.4	65.7	53.2	51.5	55.1	58.3	61.3	62.6	69.6	69.5
75°	154.4	99.9	52.8	45.0	42.0	44.9	48.6	52.2	56.0	66.2	67.4
77.5°	88.9	70.2	41.8	36.1	32.6	35.6	38.8	43.9	55.3	64.2	63.0
80°	50.2	45.6	31.6	26.5	24.2	26.5	29.0	38.6	43.5	47.3	47.9
82.5°	23.5	25.5	21.6	16.3	16.3	17.8	20.1	29.9	32.9	26.9	23.5
85°	8.5	11.5	10.6	8.3	7.4	7.2	12.5	17.0	10.6	9.5	8.1
87.5°	2.3	3.2	3.0	2.1	1.1	0.9	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)