

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: P629566

Luminaire Tested: GWS-SA1B-830-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-830-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2384.3 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

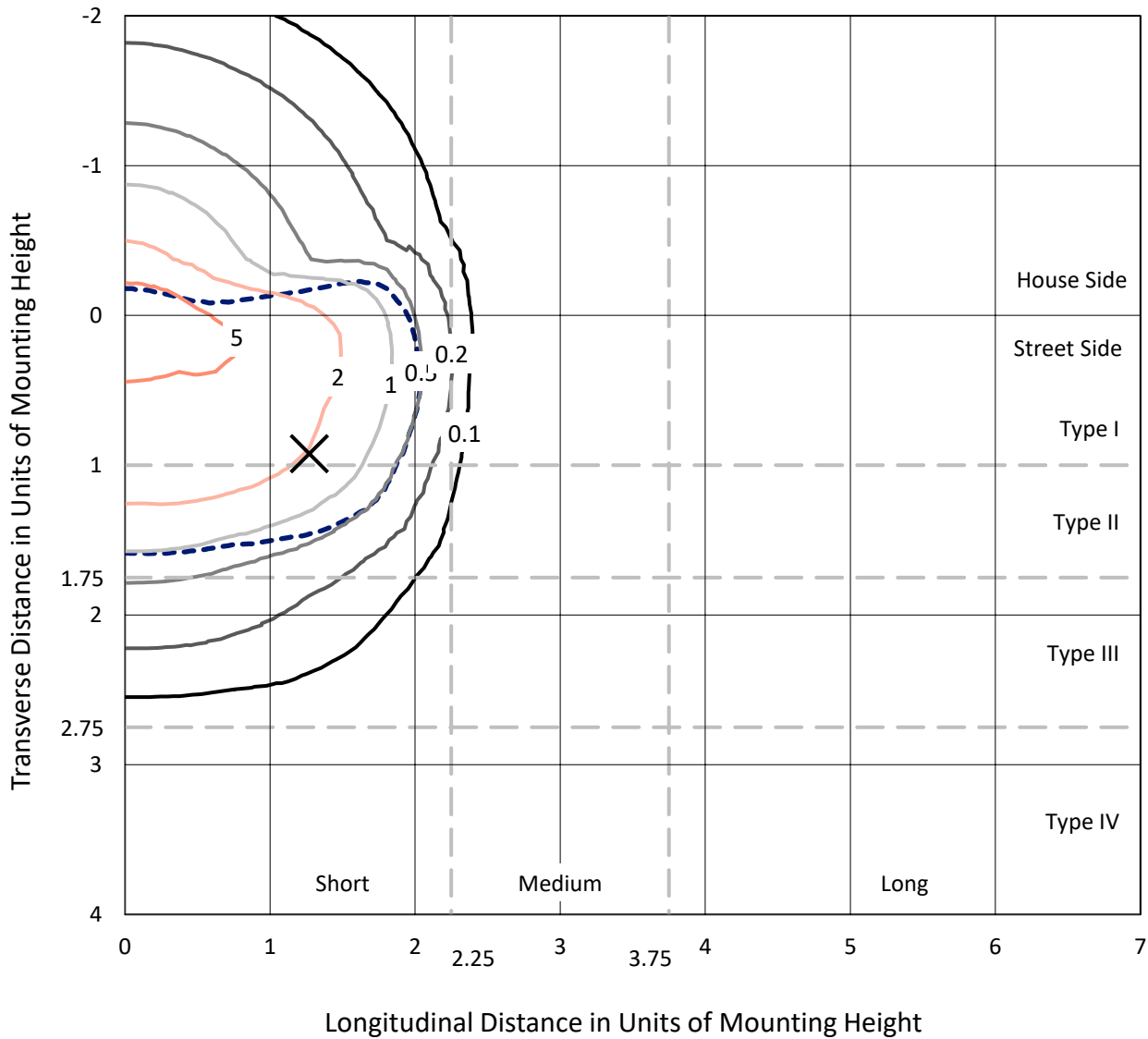
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

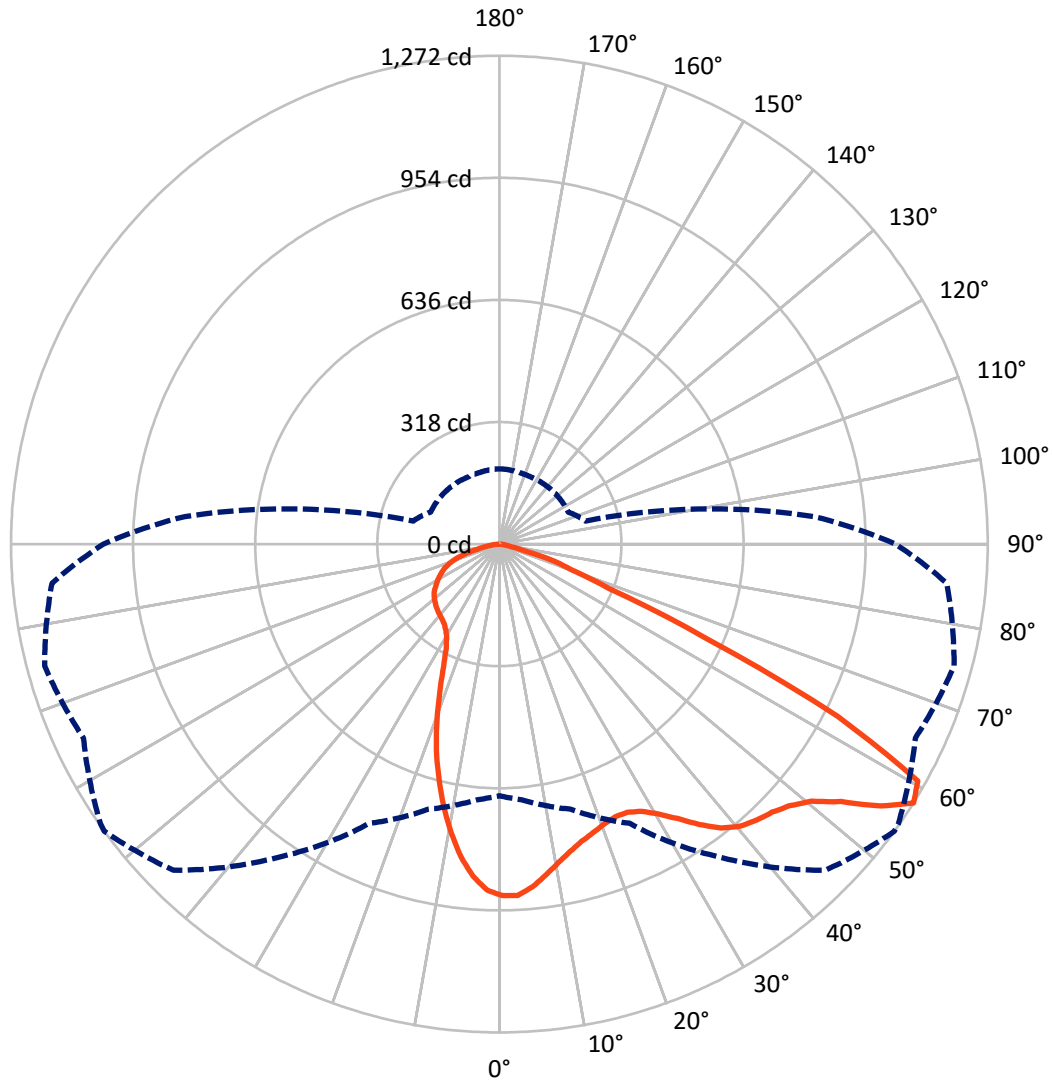
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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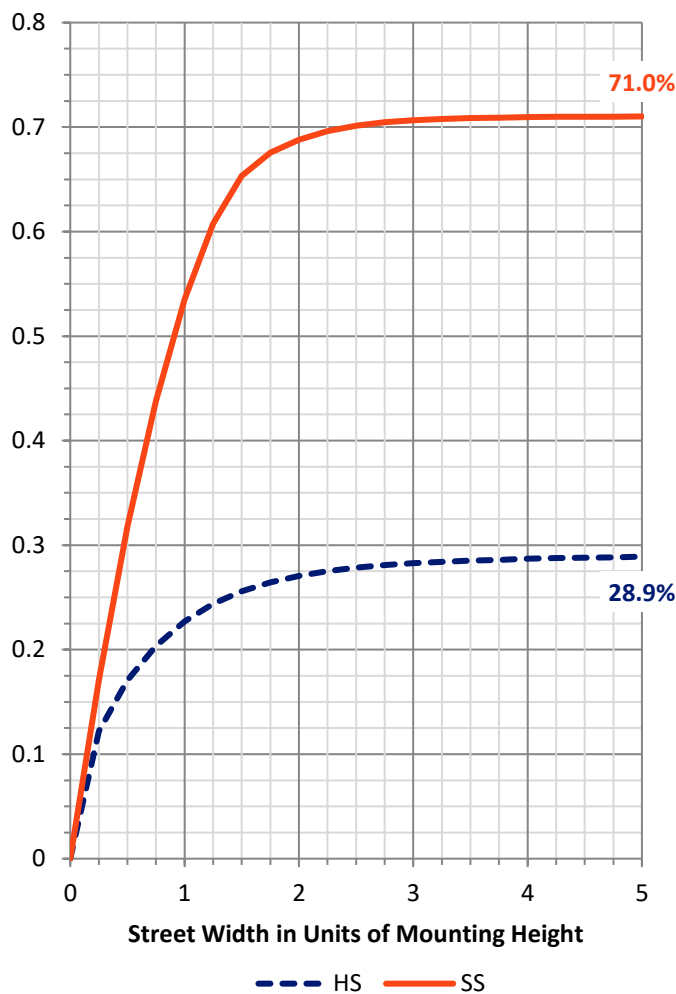
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	693.1	0.0	693.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	1691.2	0.0	1691.2
	% Fixture	70.9	0.0	70.9
Total	Lumens	2384.3	0.0	2384.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	3.4
10°-20°	192.0	8.1
20°-30°	265.7	11.1
30°-40°	369.2	15.5
40°-50°	487.6	20.4
50°-60°	579.4	24.3
60°-70°	321.0	13.5
70°-80°	79.9	3.4
80°-90°	9.1	0.4
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°	2384.3	100.0
0°-180°	2384.3	100.0

Coefficient of Utilization



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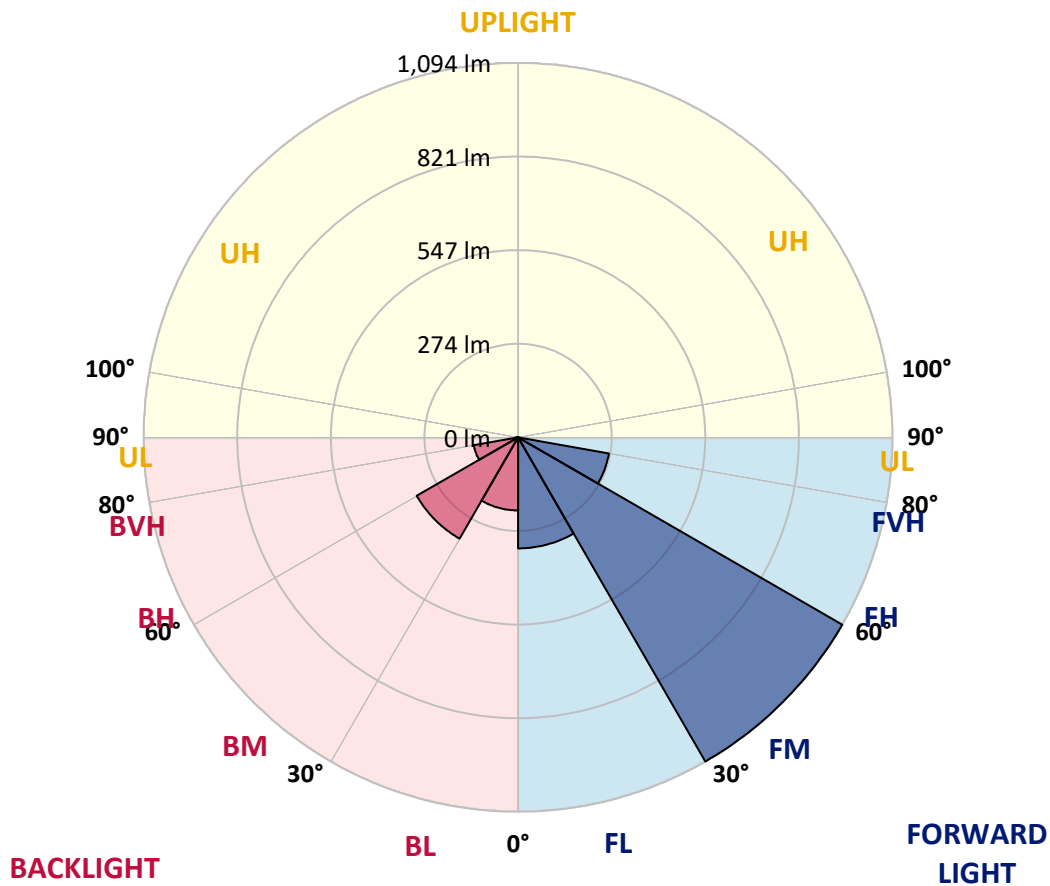
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.5	13.6			
FM (30°-60°)	1094.2	45.9			
FH (60°-80°)	269.6	11.3			G0/660
FVH (80°-90°)	2.8	0.1			G0/10
BL (0°-30°)	213.6	9.0	B1/500		
BM (30°-60°)	341.9	14.3	B1/1000		
BH (60°-80°)	131.3	5.5	B1/500		G1/500
BVH (80°-90°)	6.2	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	915.4	915.4	915.4	915.4	915.4	915.4	915.4	915.4	915.4	915.4	915.4
2.5°	898.2	900.1	901.3	905.6	909.3	912.5	916.0	916.0	915.8	915.2	914.0
5°	862.7	864.8	867.6	873.5	881.5	887.2	896.6	897.4	901.5	903.1	902.3
7.5°	821.5	822.1	825.8	833.5	846.2	856.4	869.9	871.5	881.3	887.0	886.0
10°	776.4	774.4	780.9	792.3	808.8	826.0	843.3	844.8	860.5	871.3	870.5
12.5°	735.2	735.4	741.9	755.8	776.4	797.6	820.9	824.2	843.5	857.4	856.0
15°	700.7	701.5	709.5	725.2	748.6	773.9	802.9	806.0	830.5	848.9	844.8
17.5°	673.1	673.9	680.9	698.8	723.9	754.6	789.9	792.9	823.3	845.2	836.8
20°	654.1	653.7	660.5	677.6	703.5	736.8	778.4	782.9	821.1	846.6	831.5
22.5°	646.4	646.2	651.1	665.2	689.4	723.1	771.5	777.6	823.5	852.9	828.2
25°	650.3	649.4	653.7	664.1	683.5	717.8	773.5	780.1	834.0	866.0	828.8
27.5°	662.3	661.3	665.0	674.3	689.0	723.3	787.8	795.4	856.0	889.9	837.0
30°	680.7	680.1	683.7	692.7	705.6	741.7	815.2	823.7	890.1	927.0	854.8
32.5°	702.1	701.1	707.6	718.0	732.9	775.2	851.9	863.1	930.5	974.8	884.6
35°	726.2	725.4	734.4	749.5	770.9	821.7	896.4	908.7	971.7	1028.9	924.2
37.5°	749.7	749.7	767.0	789.5	816.4	872.3	938.2	946.0	1000.3	1076.8	966.6
40°	770.5	771.7	797.8	831.5	865.8	918.0	965.8	972.3	1012.9	1109.9	1003.6
42.5°	793.5	794.6	825.0	869.1	909.9	955.0	982.5	985.8	1015.4	1126.4	1029.7
45°	811.9	813.3	851.1	898.2	948.2	982.7	995.8	998.7	1018.9	1135.4	1048.7
47.5°	821.5	823.5	866.8	921.7	974.2	1007.6	1017.6	1018.9	1033.2	1151.1	1071.5
50°	819.9	824.0	872.7	933.3	993.4	1032.7	1052.7	1054.8	1062.3	1174.2	1098.3
52.5°	834.4	836.2	885.4	947.2	1020.7	1079.1	1113.8	1116.6	1113.2	1191.5	1114.2
55°	810.3	819.1	869.7	945.2	1062.3	1150.7	1204.2	1202.8	1159.3	1210.9	1140.7
57.5°	655.4	668.2	714.6	802.3	993.8	1200.9	1271.7	1268.3	1195.0	1225.8	1169.5
60°	453.7	455.8	497.6	559.8	767.0	1060.9	1251.9	1259.5	1201.5	1207.0	1116.2
62.5°	362.9	362.3	366.2	367.8	487.8	745.8	988.3	1015.8	998.3	940.5	791.1
65°	309.8	312.1	323.5	317.6	318.4	420.0	590.5	594.3	582.1	561.3	418.4
67.5°	242.5	246.3	266.6	289.6	282.3	270.4	306.4	304.5	240.0	185.7	153.5
70°	151.9	154.3	175.9	227.4	245.7	222.1	197.0	196.1	128.6	105.7	115.9
72.5°	88.6	89.0	95.1	126.7	163.1	151.9	144.9	139.6	82.7	84.3	92.5
75°	48.8	48.8	48.6	54.7	64.3	56.9	55.1	53.7	55.3	62.7	68.8
77.5°	10.2	10.4	11.0	14.5	18.8	22.9	28.8	29.0	36.1	41.8	46.7
80°	4.7	4.9	6.1	7.8	10.0	13.3	17.6	17.8	21.8	26.3	29.6
82.5°	2.4	2.7	3.3	4.1	5.3	6.9	9.8	9.8	13.1	15.5	17.6
85°	0.8	0.8	1.2	1.6	2.2	2.9	3.9	3.9	5.7	7.6	8.8
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	0.8	1.0	1.2	2.0
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°	915.4	915.4	915.4	915.4	915.4	915.4	915.4	915.4	915.4	915.4	915.4
2.5°	911.3	905.0	905.2	906.4	902.5	896.6	892.7	887.8	884.8	884.2	886.4
5°	898.2	890.9	885.8	880.5	869.5	856.4	846.2	837.8	832.3	830.3	827.8
7.5°	880.3	870.7	857.8	842.9	822.9	799.7	783.3	768.0	757.4	754.4	752.9
10°	862.3	848.4	825.6	797.8	764.6	733.1	703.5	680.9	662.9	652.7	656.0
12.5°	843.7	826.6	790.9	748.2	701.9	654.5	615.8	578.2	549.2	534.7	530.5
15°	827.4	804.2	754.4	696.6	635.0	575.4	519.2	462.9	426.2	406.2	400.6
17.5°	813.5	783.3	715.8	643.9	570.3	485.3	416.4	364.1	339.0	328.0	327.2
20°	799.9	762.9	677.6	587.2	495.6	400.4	338.8	314.3	305.3	301.5	301.3
22.5°	787.6	741.5	637.4	530.5	421.3	336.6	302.7	292.1	289.6	289.6	289.2
25°	777.2	720.1	596.2	470.2	354.1	299.6	283.9	279.4	280.4	282.3	282.5
27.5°	772.9	703.3	556.4	408.4	307.8	278.2	271.0	270.4	273.3	276.1	276.6
30°	777.4	691.9	515.6	349.2	280.0	265.1	261.9	263.1	266.6	269.4	269.4
32.5°	791.3	686.2	473.9	305.9	263.9	255.9	254.9	256.1	258.8	260.4	260.6
35°	814.8	688.4	430.9	276.8	253.5	249.2	249.0	249.8	250.8	251.9	252.1
37.5°	844.4	698.4	384.7	259.8	246.8	244.3	243.9	243.7	243.9	243.9	244.1
40°	873.3	713.5	343.5	249.8	242.1	240.0	239.0	237.6	237.4	237.0	236.8
42.5°	894.8	725.2	310.6	242.7	237.8	235.3	234.1	231.9	231.7	231.4	231.2
45°	910.9	735.0	283.3	235.7	233.3	231.0	228.4	226.3	226.8	227.2	227.2
47.5°	929.1	743.5	263.3	229.2	227.8	225.5	222.3	220.8	222.3	223.7	223.7
50°	951.1	755.6	247.0	222.7	222.1	219.4	216.5	215.9	217.6	219.6	219.6
52.5°	967.2	766.0	235.3	216.1	216.1	212.7	210.2	210.0	211.9	213.9	214.1
55°	997.4	790.3	231.2	208.6	207.8	205.1	203.3	201.9	204.1	205.9	205.9
57.5°	1031.5	822.5	232.3	197.8	196.8	195.9	194.5	192.9	193.5	195.5	195.7
60°	959.3	760.1	221.0	187.0	186.3	185.9	184.1	181.2	182.1	183.7	183.9
62.5°	670.1	505.1	178.8	173.5	175.5	175.3	172.9	169.6	169.8	172.1	172.1
65°	347.8	273.3	157.0	161.2	164.3	163.1	159.0	156.1	155.7	158.6	158.0
67.5°	150.0	149.2	142.9	148.4	151.6	149.0	144.7	140.0	140.4	141.4	140.6
70°	120.8	124.5	127.2	133.1	135.7	130.8	126.1	123.5	121.2	121.0	119.6
72.5°	96.5	101.6	107.6	113.7	114.5	109.6	103.7	101.2	97.8	97.6	96.1
75°	72.7	76.9	81.6	86.5	86.5	81.8	78.0	76.7	72.7	71.4	70.2
77.5°	49.6	52.2	55.9	57.1	58.4	56.5	52.7	50.6	45.9	44.7	43.1
80°	31.2	33.1	35.3	36.1	37.4	35.1	32.0	29.8	26.5	25.5	24.7
82.5°	18.8	20.0	21.4	21.8	22.9	21.2	18.4	16.7	14.9	14.1	13.5
85°	9.6	10.2	11.0	11.2	11.0	9.4	8.4	7.6	6.3	6.1	5.7
87.5°	2.4	2.9	3.1	2.9	2.7	2.0	1.4	1.0	0.4	0.4	0.2
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)