

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: P629455

Luminaire Tested: GWS-SA1B-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629455
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-SA1B-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2114.9 lumens
Efficiency: N/A
Efficacy: 84.6 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

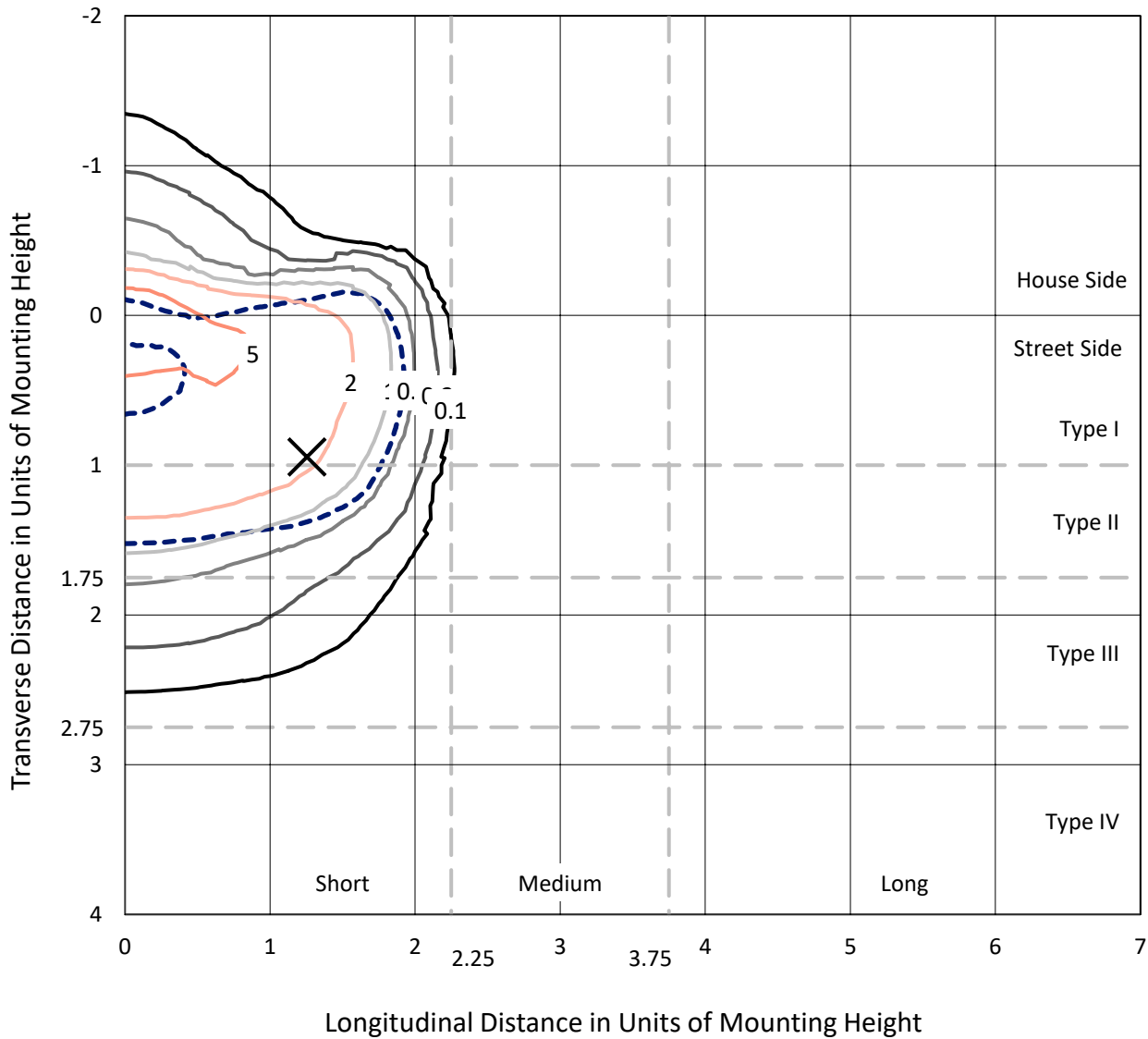
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

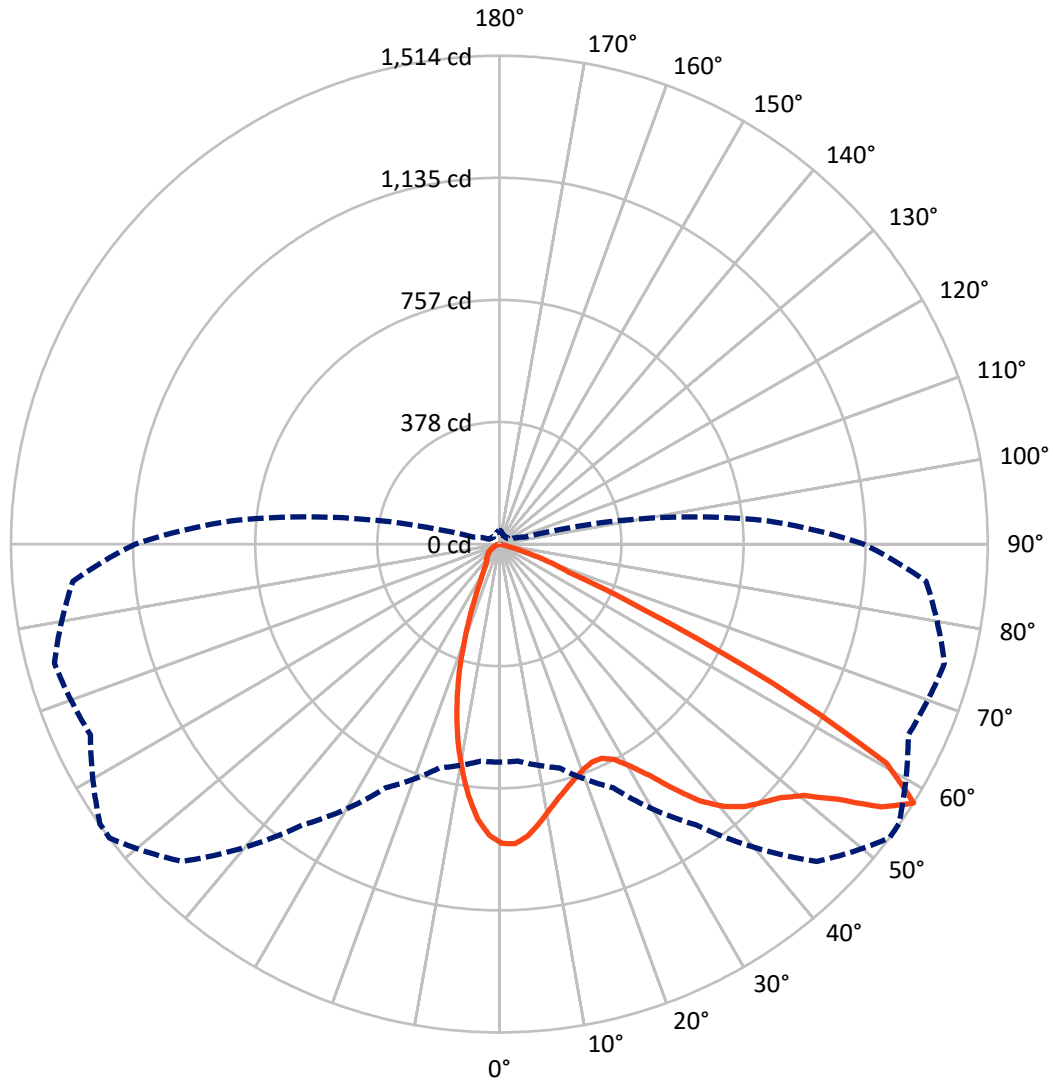
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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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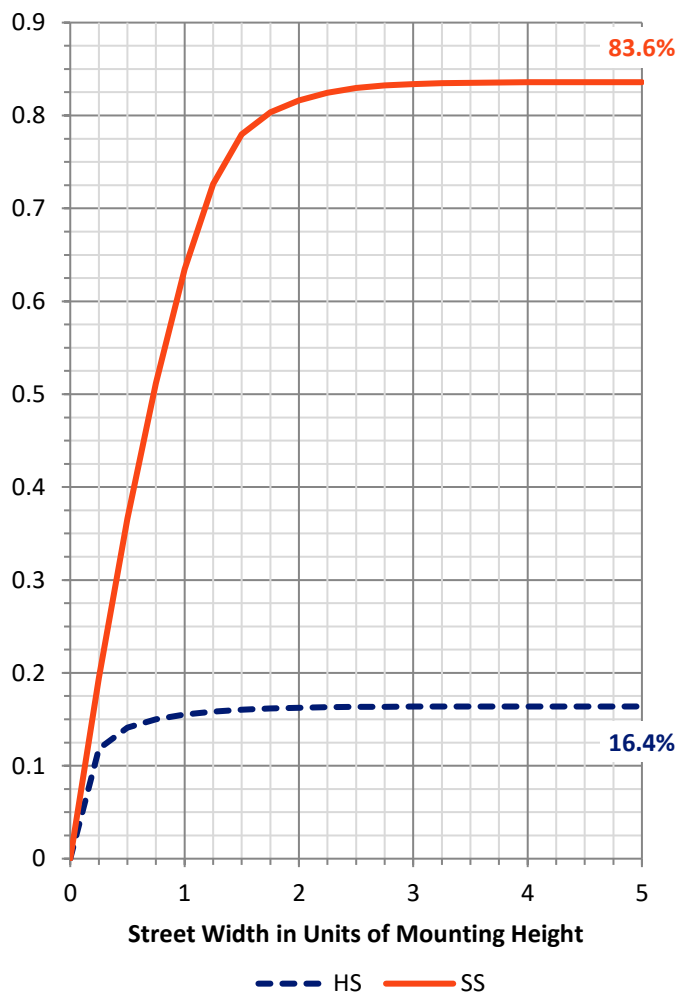
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	349.4	0.0	349.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	1765.5	0.0	1765.5
	% Fixture	83.5	0.0	83.5
Total	Lumens	2114.9	0.0	2114.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	3.8
10°-20°	174.3	8.2
20°-30°	227.0	10.7
30°-40°	329.3	15.6
40°-50°	475.1	22.5
50°-60°	574.6	27.2
60°-70°	234.2	11.1
70°-80°	21.0	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°	2114.9	100.0
0°-180°	2114.9	100.0

Coefficient of Utilization



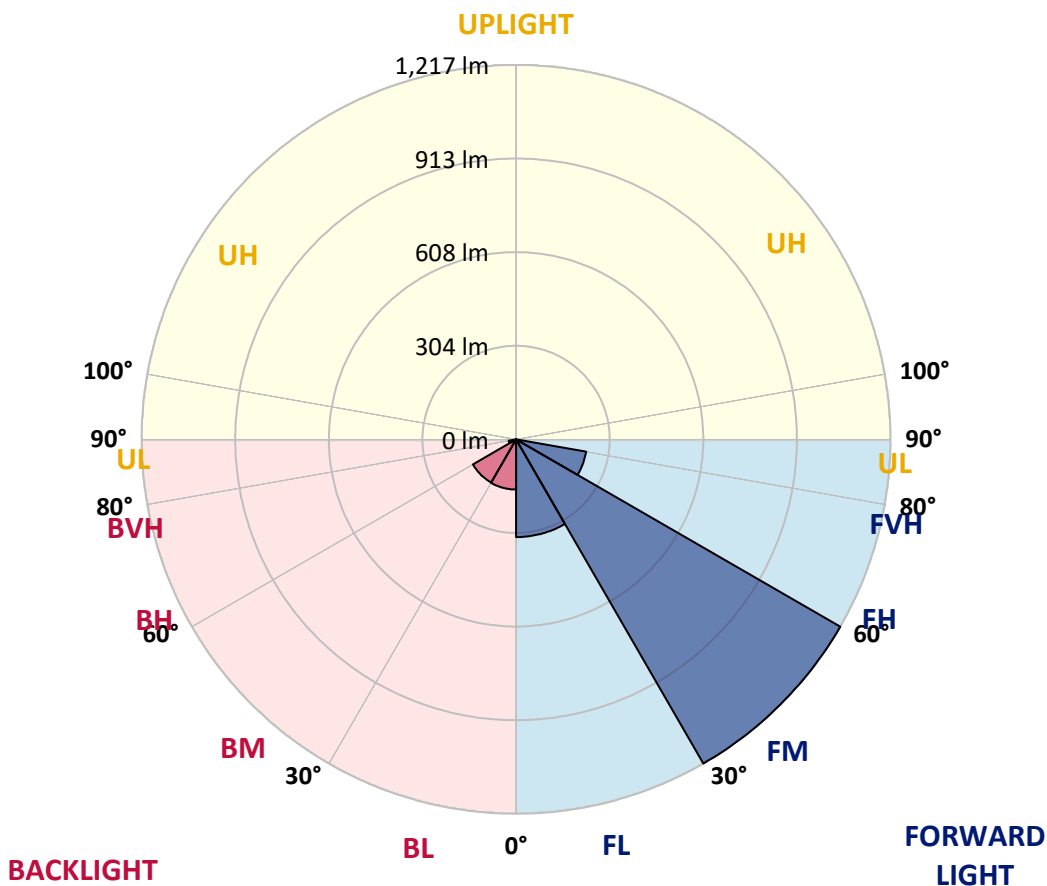
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.6	15.0			
FM (30°-60°)	1216.9	57.5			
FH (60°-80°)	231.1	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	163.0	7.7	B1/500		
BM (30°-60°)	162.2	7.7	B0/220		
BH (60°-80°)	24.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7
2.5°	914.8	916.8	920.5	925.1	928.2	929.8	929.8	934.2	931.3	929.0	926.4
5°	875.6	877.7	882.6	890.1	897.6	903.1	909.3	914.0	915.8	915.8	911.4
7.5°	820.4	823.3	826.4	836.7	853.1	865.2	875.9	882.6	892.5	895.6	889.4
10°	761.0	763.9	770.9	785.1	803.8	822.0	840.1	848.7	865.5	874.3	867.3
12.5°	710.8	712.1	721.4	738.5	762.3	787.2	809.3	818.1	841.9	855.1	846.8
15°	669.3	670.1	679.4	698.3	725.8	756.4	784.1	793.2	822.5	842.4	830.0
17.5°	637.9	638.2	646.2	666.7	695.5	729.4	762.3	773.5	811.3	835.4	816.8
20°	622.1	621.3	627.0	644.9	672.1	706.1	745.0	758.7	805.1	834.4	806.7
22.5°	622.4	620.6	622.9	635.6	658.7	690.5	734.1	749.6	805.6	838.8	798.1
25°	637.1	634.5	635.1	641.8	658.1	687.2	735.6	752.2	816.0	853.6	795.0
27.5°	662.0	659.2	659.2	662.5	671.4	697.8	755.1	774.0	843.7	882.4	801.5
30°	694.2	691.3	690.3	693.6	700.9	725.3	798.4	818.1	891.2	929.5	822.2
32.5°	731.0	727.6	729.4	734.1	741.1	774.8	854.1	880.3	950.5	993.0	859.5
35°	769.9	767.0	775.3	785.4	796.3	843.5	931.1	953.9	1023.4	1072.1	916.6
37.5°	806.9	805.6	823.0	844.2	866.8	925.9	1009.4	1027.0	1085.8	1158.2	986.3
40°	844.0	843.7	873.5	910.9	946.9	1008.1	1068.7	1083.2	1123.9	1225.0	1053.2
42.5°	885.5	885.5	926.7	976.4	1024.4	1077.5	1112.3	1118.8	1141.0	1263.7	1103.5
45°	925.1	927.5	975.2	1033.0	1089.7	1131.7	1142.3	1142.9	1148.0	1286.5	1145.2
47.5°	956.5	958.6	1015.6	1082.2	1143.4	1172.9	1174.5	1172.2	1166.4	1308.2	1177.3
50°	981.9	985.0	1044.6	1115.1	1180.2	1212.6	1224.5	1222.2	1207.7	1331.6	1199.9
52.5°	994.3	998.7	1054.7	1131.5	1221.1	1280.5	1313.7	1319.1	1269.4	1344.5	1221.4
55°	894.8	901.3	952.9	1057.8	1244.0	1385.5	1437.6	1436.5	1336.2	1383.1	1273.8
57.5°	675.8	675.2	718.0	832.8	1062.5	1391.4	1513.8	1511.7	1398.7	1428.0	1327.4
60°	460.1	457.0	468.4	523.9	742.9	1133.5	1377.7	1405.7	1354.4	1319.1	1127.0
62.5°	378.7	375.9	372.2	356.9	426.7	706.1	951.8	994.3	987.6	916.8	706.9
65°	310.0	312.3	322.5	316.0	296.8	362.1	494.1	519.2	474.6	399.4	247.0
67.5°	228.6	229.7	242.9	277.1	266.7	241.1	232.5	236.7	138.7	63.8	41.2
70°	135.0	135.8	148.0	193.9	216.4	185.1	157.1	154.7	55.0	17.1	18.7
72.5°	76.5	74.9	77.2	92.3	117.9	98.2	80.9	73.6	16.6	9.6	9.6
75°	36.3	35.3	30.3	28.5	25.9	16.6	10.4	8.8	4.1	3.9	3.9
77.5°	0.3	0.8	0.5	0.8	0.8	0.5	0.3	0.3	0.8	0.8	1.0
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°	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7	927.7
2.5°	921.8	914.0	912.2	911.6	904.4	896.6	888.6	885.5	880.8	877.9	880.3
5°	904.4	893.2	883.4	874.3	858.2	840.6	825.3	815.5	806.1	799.9	801.5
7.5°	879.8	865.2	842.7	819.6	790.1	763.6	734.1	715.9	699.1	689.8	694.2
10°	853.6	834.4	798.4	759.2	712.8	671.4	629.1	594.6	574.7	555.7	557.8
12.5°	827.9	802.5	748.6	689.2	630.7	569.5	505.7	458.0	425.4	401.8	398.1
15°	804.1	771.4	700.1	621.8	542.0	460.6	379.2	311.1	273.2	249.9	248.3
17.5°	782.8	742.4	649.8	551.3	451.3	347.1	253.5	202.4	180.7	170.6	169.5
20°	762.3	713.1	598.5	479.8	352.3	243.7	175.0	151.4	144.4	140.2	140.8
22.5°	742.6	681.2	544.6	400.5	264.1	171.1	135.6	126.5	125.7	126.2	126.5
25°	726.0	651.9	489.1	324.0	188.4	130.4	113.3	110.7	113.0	116.4	116.9
27.5°	717.5	628.1	435.0	247.0	136.3	106.0	98.2	99.3	103.4	107.1	107.6
30°	719.8	610.2	379.0	179.1	105.0	89.4	86.8	88.9	93.1	96.4	96.9
32.5°	736.4	601.1	321.7	130.4	86.3	78.0	77.0	78.5	82.2	84.8	85.0
35°	769.3	603.2	267.2	99.8	74.1	69.5	69.2	70.2	72.1	73.9	74.1
37.5°	817.8	620.0	213.6	82.9	67.1	63.8	62.7	62.7	64.0	64.8	65.3
40°	869.9	645.4	171.1	73.4	62.2	58.6	56.5	55.7	56.8	57.8	58.1
42.5°	912.9	670.8	138.9	66.6	58.3	53.4	50.8	50.3	51.6	53.4	53.9
45°	945.9	690.5	115.9	61.2	53.9	48.5	45.6	45.6	48.0	51.1	51.6
47.5°	975.9	706.3	98.8	56.2	49.8	44.1	41.2	41.7	45.6	49.8	50.5
50°	996.4	719.1	86.1	51.8	46.4	40.4	37.8	38.9	43.5	48.5	49.3
52.5°	1018.4	734.6	77.8	48.0	43.3	37.6	35.3	36.0	41.2	46.7	47.7
55°	1079.4	786.7	77.5	42.8	37.8	33.7	32.7	32.9	38.1	44.3	45.6
57.5°	1129.1	832.6	82.7	36.0	31.6	29.6	29.0	29.3	34.0	41.0	42.5
60°	934.2	647.0	68.4	29.8	26.4	25.9	25.1	25.7	30.1	36.3	37.6
62.5°	552.9	369.9	32.7	22.8	22.6	22.0	21.3	22.3	26.4	31.9	32.7
65°	189.0	109.6	20.7	18.7	19.2	18.4	17.6	18.7	22.3	25.4	25.7
67.5°	36.3	29.0	16.6	15.6	15.8	14.3	14.0	15.0	17.1	17.6	17.4
70°	18.9	16.8	12.7	12.7	12.2	10.1	10.1	11.1	11.1	10.4	10.1
72.5°	9.9	9.3	8.3	9.3	7.8	6.2	6.2	6.7	6.2	5.2	5.2
75°	3.9	3.9	3.6	4.7	3.4	2.9	2.6	3.1	2.3	1.8	1.8
77.5°	1.0	1.0	1.0	1.3	0.8	0.8	0.5	0.5	0.3	0.0	0.0
80°	0.0	0.3	0.0	0.3	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)