

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: P629568

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
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
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2789.6 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

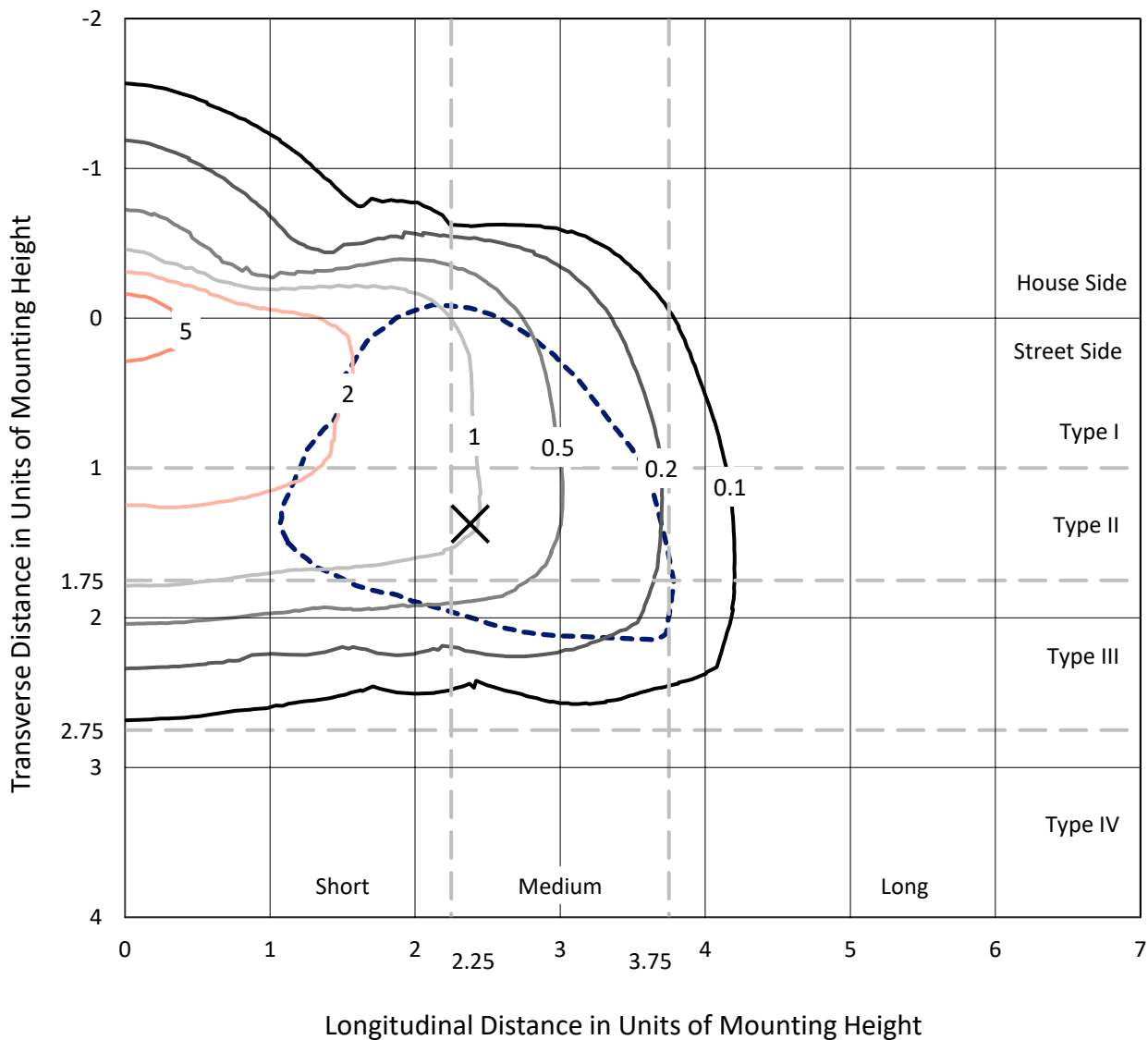
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

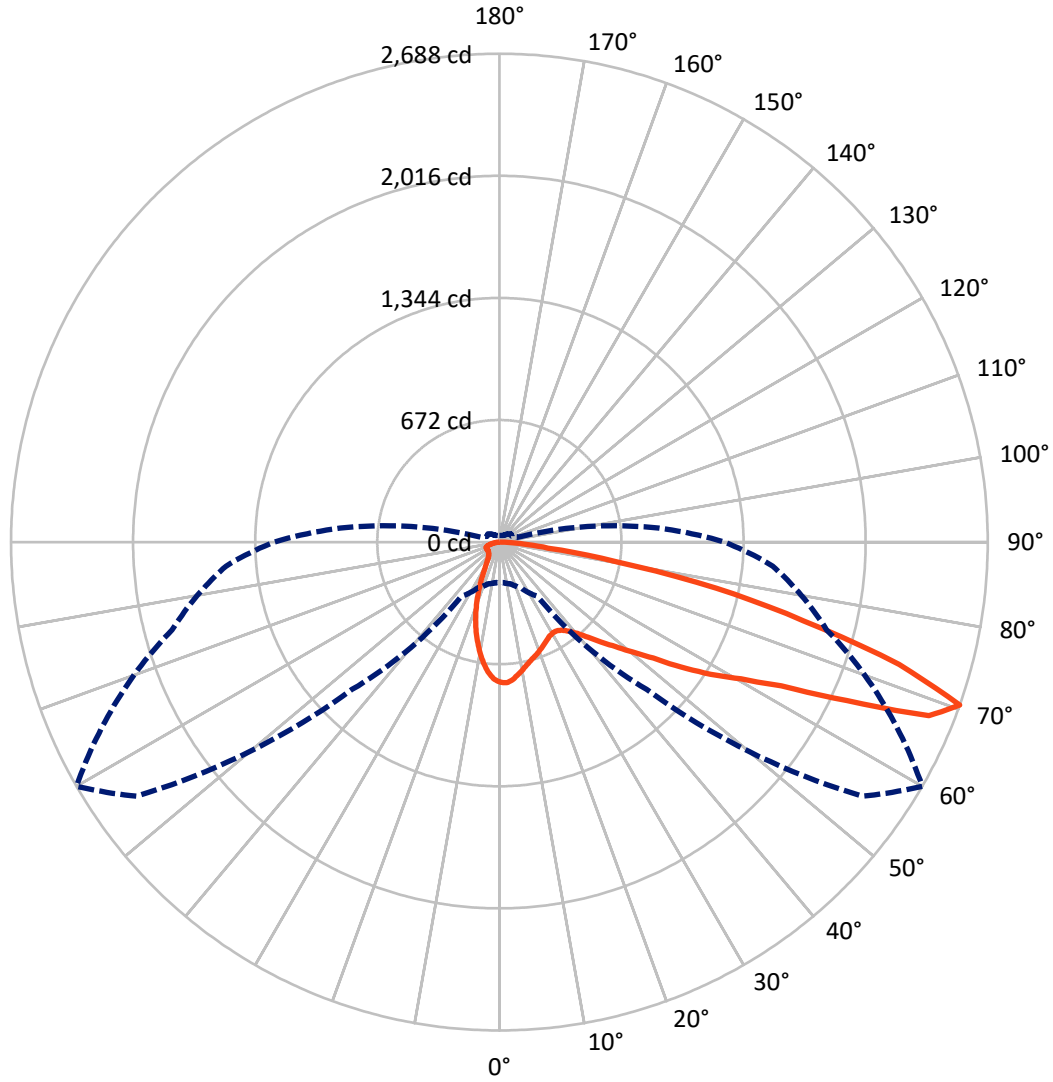
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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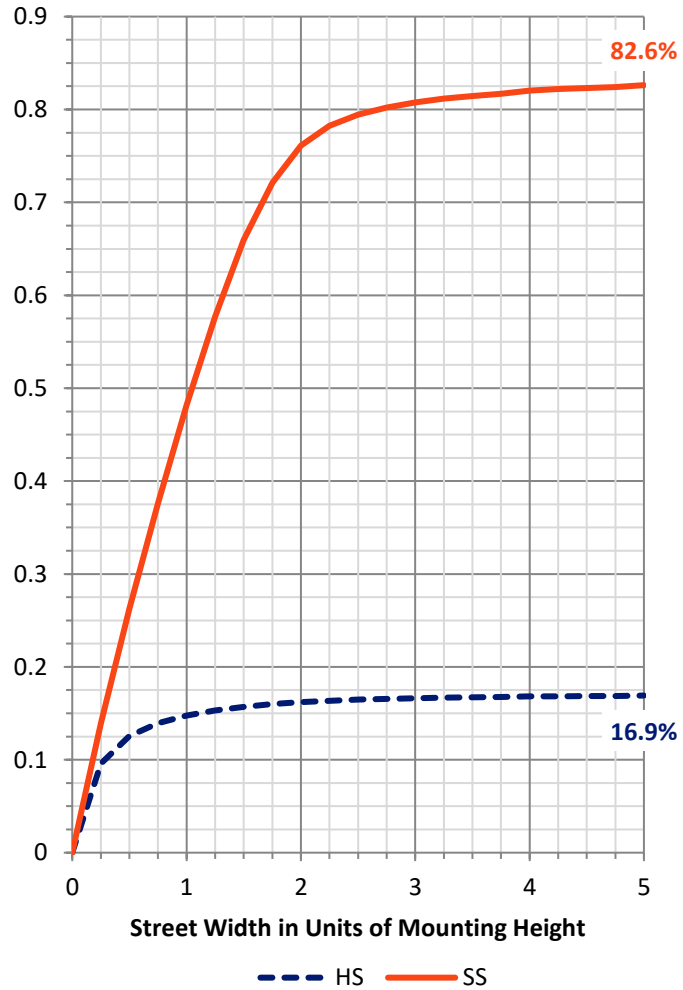
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	477.1	0.0	477.1
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	2312.5	0.0	2312.5
	% Fixture	82.9	0.0	82.9
Total	Lumens	2789.6	0.0	2789.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	2.4
10°-20°	149.1	5.3
20°-30°	190.9	6.8
30°-40°	250.9	9.0
40°-50°	364.0	13.0
50°-60°	567.9	20.4
60°-70°	743.5	26.7
70°-80°	411.1	14.7
80°-90°	45.6	1.6
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°	2789.6	100.0
0°-180°	2789.6	100.0

Coefficient of Utilization



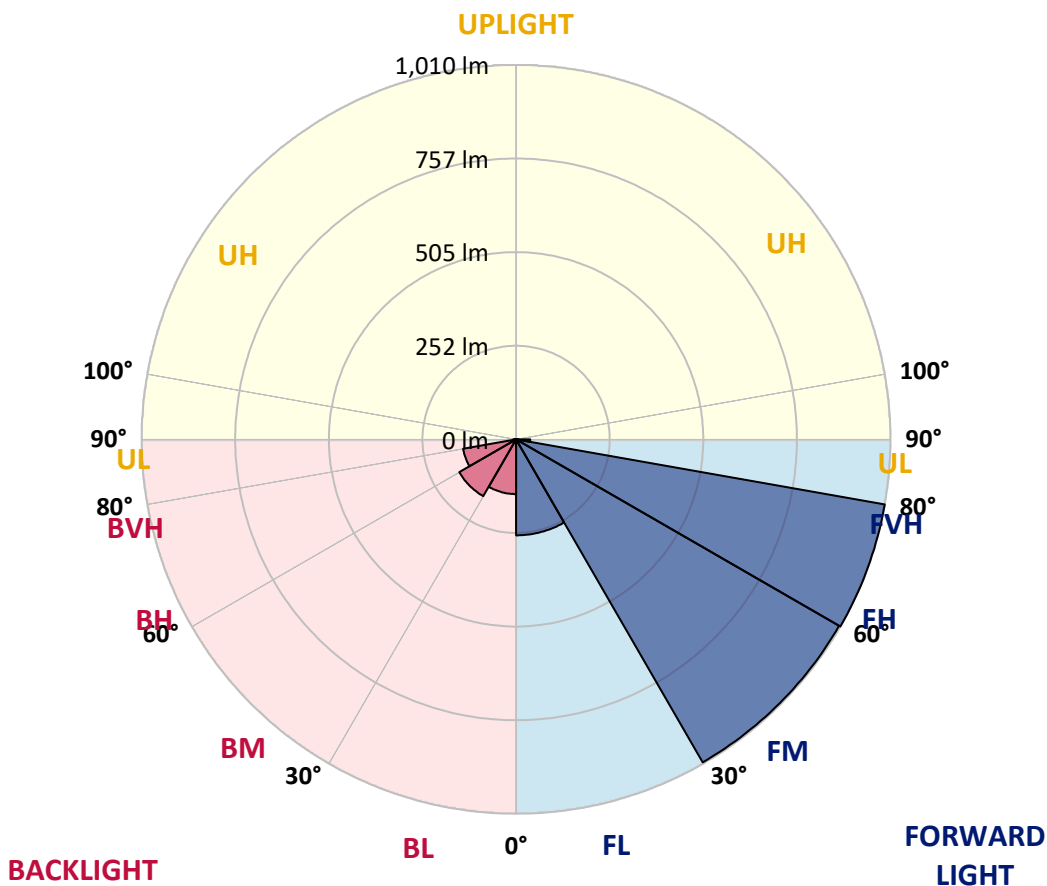
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.9	9.3			
FM (30°-60°)	1005.9	36.1			
FH (60°-80°)	1009.7	36.2			G1/1800
FVH (80°-90°)	38.0	1.4			G1/100
BL (0°-30°)	147.6	5.3	B1/500		
BM (30°-60°)	176.9	6.3	B0/220		
BH (60°-80°)	145.0	5.2	B1/500		G1/500
BVH (80°-90°)	7.6	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9
2.5°	761.1	761.9	764.2	767.4	770.7	772.3	776.4	775.2	774.4	772.7	770.7
5°	727.4	729.1	731.1	737.4	744.6	750.3	759.5	760.5	760.9	761.7	758.4
7.5°	684.6	685.0	689.9	698.2	707.6	717.4	732.7	737.0	740.7	744.8	742.1
10°	637.2	638.2	641.9	653.9	670.1	684.6	705.2	712.3	720.1	729.1	725.4
12.5°	598.4	598.6	604.6	617.4	635.0	654.6	680.3	688.8	699.1	713.1	709.9
15°	567.6	567.6	573.1	584.1	604.3	627.4	658.0	669.1	682.9	701.9	696.2
17.5°	543.1	543.3	546.8	558.4	576.4	601.9	638.2	653.1	668.4	693.5	685.0
20°	530.3	529.2	529.9	537.0	552.3	577.0	618.4	635.8	656.4	687.8	674.8
22.5°	529.6	527.8	525.2	525.8	534.8	555.2	597.2	618.2	644.1	683.1	664.4
25°	540.1	538.0	533.3	528.0	527.2	539.4	577.2	601.1	631.5	681.1	654.4
27.5°	557.6	556.2	550.1	542.1	533.7	533.3	562.1	587.0	622.3	683.1	647.2
30°	580.9	578.4	574.6	564.3	551.7	538.6	556.2	579.4	616.2	689.7	644.1
32.5°	607.2	605.8	602.1	591.9	578.4	557.6	560.9	581.1	616.2	701.1	644.8
35°	635.2	635.0	635.0	628.2	613.3	587.4	579.4	595.0	625.6	719.5	651.3
37.5°	662.3	662.1	668.6	671.1	654.2	626.2	611.1	622.7	646.2	746.6	667.4
40°	684.4	685.2	699.5	711.7	702.3	676.4	655.2	661.1	679.7	785.2	695.6
42.5°	706.6	708.9	730.3	751.9	755.6	733.1	711.7	715.2	727.6	836.2	737.6
45°	730.9	731.9	761.9	792.1	809.9	796.6	779.1	783.8	786.6	899.3	800.3
47.5°	754.4	757.0	795.8	837.2	870.9	869.7	859.9	858.5	859.1	976.0	874.4
50°	786.4	790.3	835.8	885.8	935.2	957.9	960.7	949.9	945.4	1061.3	966.6
52.5°	847.2	847.2	888.1	937.2	1003.6	1059.7	1078.9	1061.1	1046.8	1151.6	1064.6
55°	923.4	926.6	959.1	998.9	1083.0	1166.9	1231.8	1212.2	1171.8	1249.7	1167.3
57.5°	957.2	961.3	1012.8	1074.6	1186.9	1288.7	1378.7	1371.8	1312.8	1351.8	1273.8
60°	896.0	904.6	975.4	1079.1	1281.0	1485.3	1548.7	1528.5	1444.2	1458.9	1389.3
62.5°	747.4	756.8	835.4	980.1	1267.9	1697.7	1816.7	1742.2	1608.3	1594.3	1543.2
65°	446.0	445.6	540.1	731.9	1106.9	1756.7	2240.8	2101.9	1861.8	1780.0	1701.6
67.5°	283.5	282.9	302.7	387.8	736.6	1612.2	2513.5	2549.7	2206.2	1916.5	1714.7
70°	223.7	223.5	237.8	276.6	364.3	1147.3	2437.6	2687.6	2414.1	1864.5	1509.8
72.5°	163.1	163.5	185.5	231.7	281.1	576.0	1973.9	2299.6	2220.4	1645.9	1225.6
75°	117.2	117.8	131.0	177.4	259.2	314.9	1312.6	1729.2	1689.4	1319.3	843.2
77.5°	74.5	75.3	86.9	124.3	209.4	254.3	795.8	1220.7	1124.0	743.3	299.8
80°	45.5	48.2	58.0	92.7	167.4	190.8	397.8	643.1	562.9	203.9	100.8
82.5°	23.5	25.5	34.9	57.4	115.3	167.6	225.1	270.2	174.3	85.3	53.7
85°	7.3	8.6	12.2	23.3	54.9	103.9	149.0	134.3	80.0	40.2	24.9
87.5°	1.8	1.8	2.0	2.0	2.2	4.7	28.8	30.4	21.2	12.7	10.2
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°	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9	771.9
2.5°	766.6	761.7	759.7	759.5	754.4	747.0	742.1	738.6	736.6	736.2	736.2
5°	752.9	746.6	738.2	731.9	718.2	704.4	692.7	686.2	678.6	677.6	677.4
7.5°	734.8	725.6	709.7	691.9	668.0	645.0	625.4	612.1	598.8	596.4	595.6
10°	715.2	702.7	675.6	644.4	608.6	574.1	544.1	520.7	505.2	494.1	492.1
12.5°	695.8	679.3	639.5	592.9	543.9	496.8	451.7	413.3	385.6	369.4	366.6
15°	677.6	654.6	600.1	540.7	477.0	412.5	348.6	298.8	259.8	245.9	242.7
17.5°	661.1	632.3	561.9	486.6	407.2	322.9	250.2	205.9	183.1	176.1	174.5
20°	644.6	609.5	523.1	429.6	333.1	238.6	182.9	162.1	153.5	150.8	150.0
22.5°	626.8	584.3	480.9	373.5	258.2	178.6	149.6	140.4	137.8	138.0	137.8
25°	609.0	558.8	436.6	312.5	192.3	144.9	130.6	127.2	127.8	129.6	130.0
27.5°	594.3	536.2	393.1	245.5	150.2	124.7	118.0	117.8	120.0	122.5	122.9
30°	583.7	516.0	350.2	188.8	123.7	110.8	108.2	109.4	112.1	113.9	114.5
32.5°	576.2	498.6	304.5	148.4	108.4	101.0	99.8	101.0	102.7	104.5	104.9
35°	573.5	486.0	259.6	121.0	98.0	93.9	93.1	93.7	94.5	95.5	95.9
37.5°	579.4	479.6	212.7	105.3	91.6	89.2	88.0	87.6	87.8	88.2	88.4
40°	597.0	482.5	174.3	96.1	87.6	85.3	83.3	82.5	82.3	82.7	82.5
42.5°	627.2	494.5	146.5	90.8	84.3	81.0	78.8	78.0	78.0	79.0	79.0
45°	671.5	518.2	126.5	86.9	81.4	77.4	74.9	74.5	75.3	76.9	77.2
47.5°	736.4	552.9	114.5	84.1	78.8	74.1	71.6	71.4	73.1	75.7	75.9
50°	813.4	602.9	108.0	82.0	76.9	71.4	69.0	69.2	71.0	73.9	74.5
52.5°	906.0	671.1	108.4	81.2	75.9	69.8	67.4	66.9	68.8	71.6	72.3
55°	1001.7	754.0	116.3	81.4	74.5	69.0	65.7	64.3	65.9	68.0	68.2
57.5°	1107.1	847.4	136.1	81.0	72.7	68.2	64.3	61.0	62.0	63.3	63.9
60°	1225.8	957.4	178.8	81.8	71.8	66.3	61.4	57.1	56.9	57.8	58.0
62.5°	1384.6	1107.1	226.8	83.3	73.7	64.1	57.1	52.7	51.8	52.3	52.5
65°	1506.1	1178.5	211.7	82.0	77.6	62.5	53.1	48.4	46.7	46.3	46.3
67.5°	1456.7	1084.0	147.4	78.8	79.4	62.7	49.8	43.9	41.8	40.8	40.6
70°	1239.5	880.5	102.5	75.5	77.4	62.3	46.3	40.2	37.6	36.1	35.9
72.5°	979.3	672.3	82.9	69.0	70.2	56.1	41.2	36.1	33.9	32.0	32.0
75°	630.3	410.2	69.2	61.4	57.4	43.7	35.7	32.2	30.0	28.2	28.2
77.5°	212.1	152.3	53.7	52.0	42.9	32.9	30.0	27.8	25.9	24.3	24.1
80°	86.1	72.3	39.4	39.4	30.0	25.1	23.5	22.5	21.2	19.2	19.2
82.5°	50.0	43.9	27.6	23.9	20.0	17.3	16.3	15.3	15.3	13.9	13.9
85°	24.1	24.3	16.5	14.7	11.4	10.0	9.6	9.0	8.8	8.0	7.8
87.5°	13.1	13.3	8.4	6.5	4.5	3.9	3.3	3.1	2.9	2.7	2.7
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)