

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: P628619

Luminaire Tested: GWS-SA1A-722-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1577.6 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

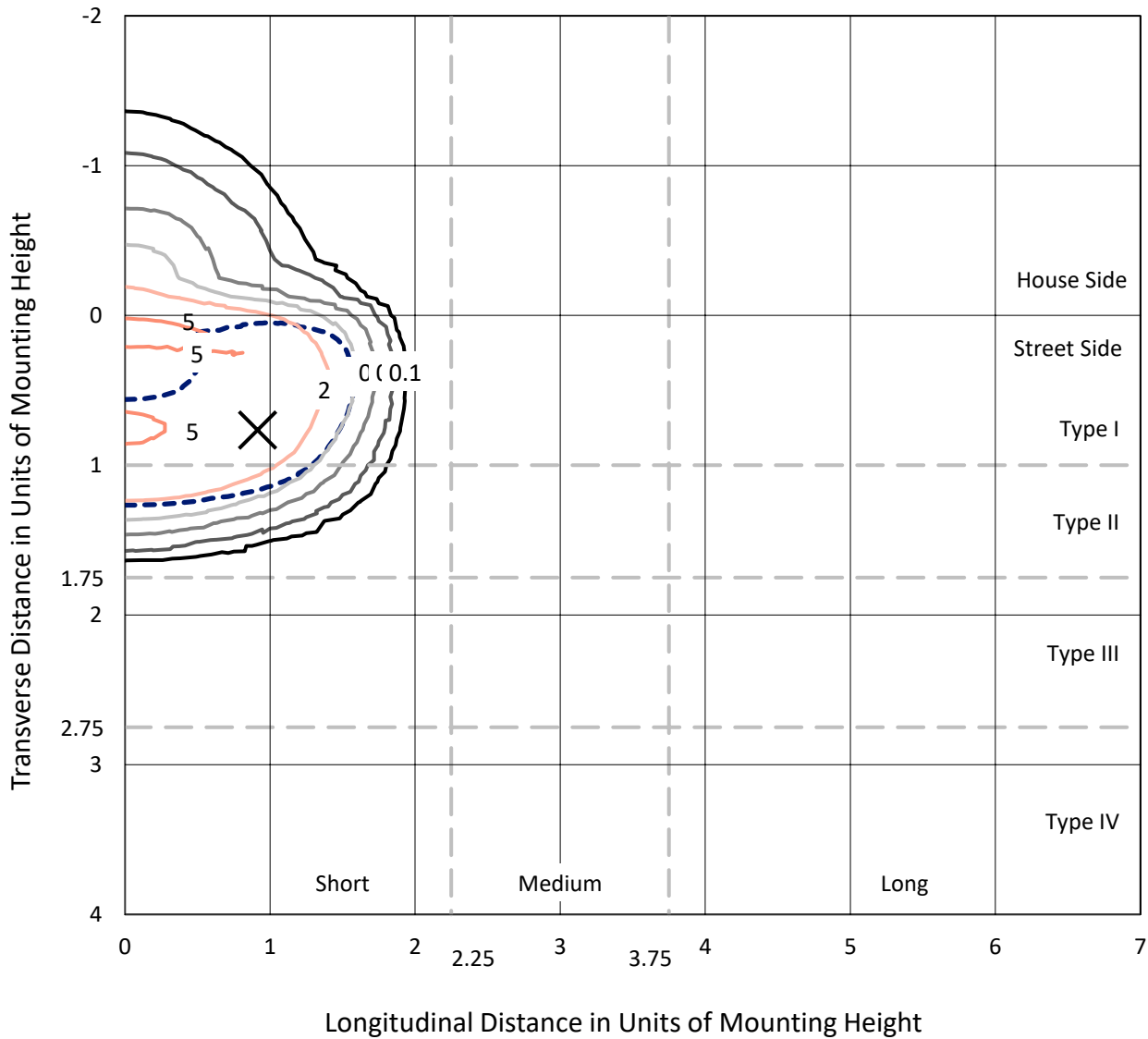
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

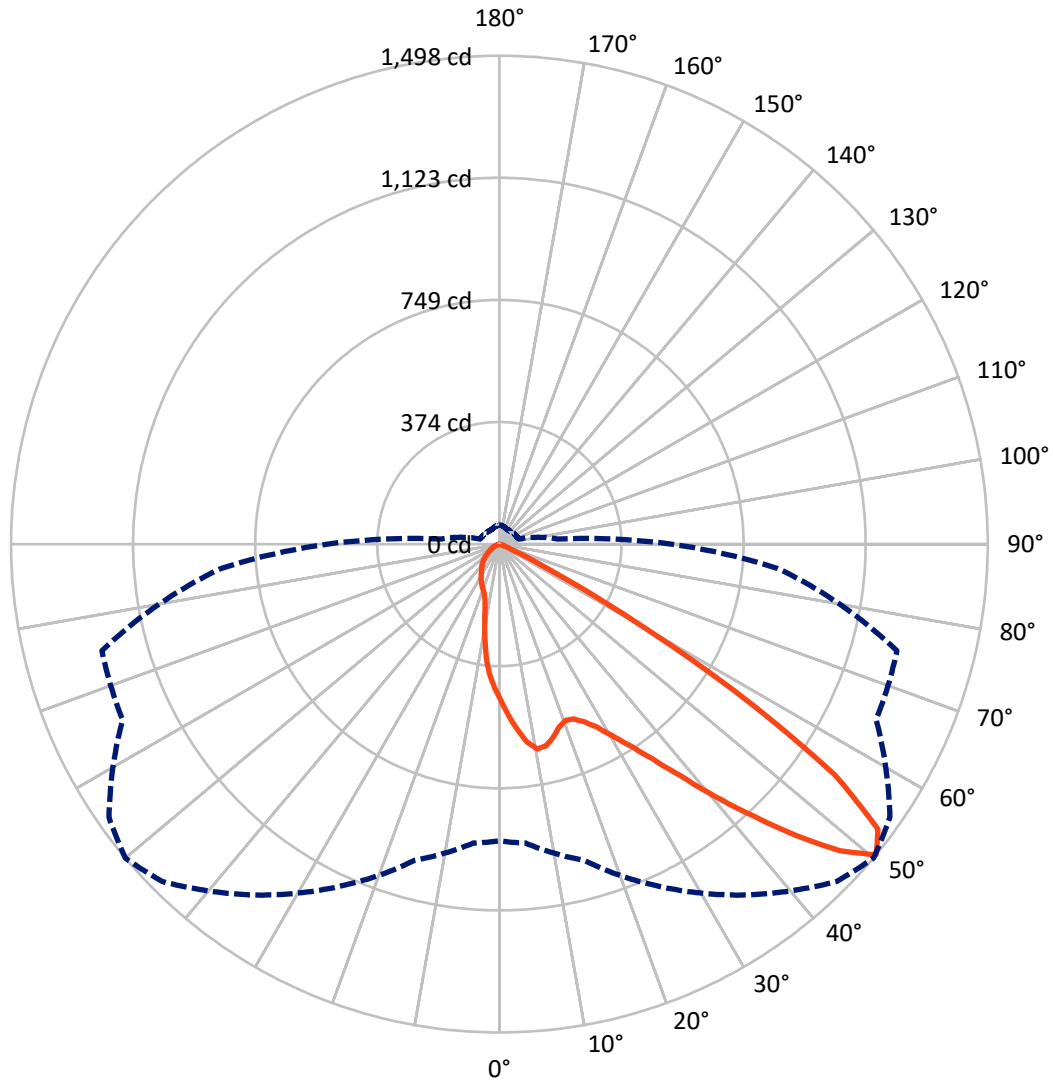
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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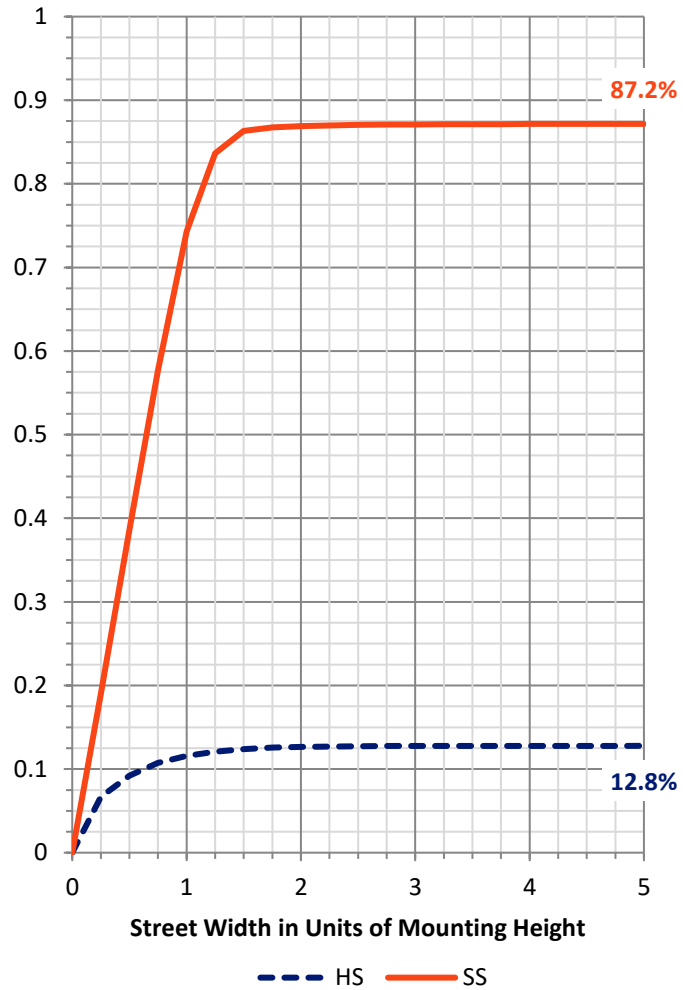
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	202.7	0.0	202.7
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	1374.9	0.0	1374.9
	% Fixture	87.2	0.0	87.2
Total	Lumens	1577.6	0.0	1577.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	2.8
10°-20°	114.4	7.3
20°-30°	188.8	12.0
30°-40°	311.5	19.7
40°-50°	492.9	31.2
50°-60°	373.2	23.7
60°-70°	46.7	3.0
70°-80°	5.3	0.3
80°-90°	0.4	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°	1577.6	100.0
0°-180°	1577.6	100.0

Coefficient of Utilization



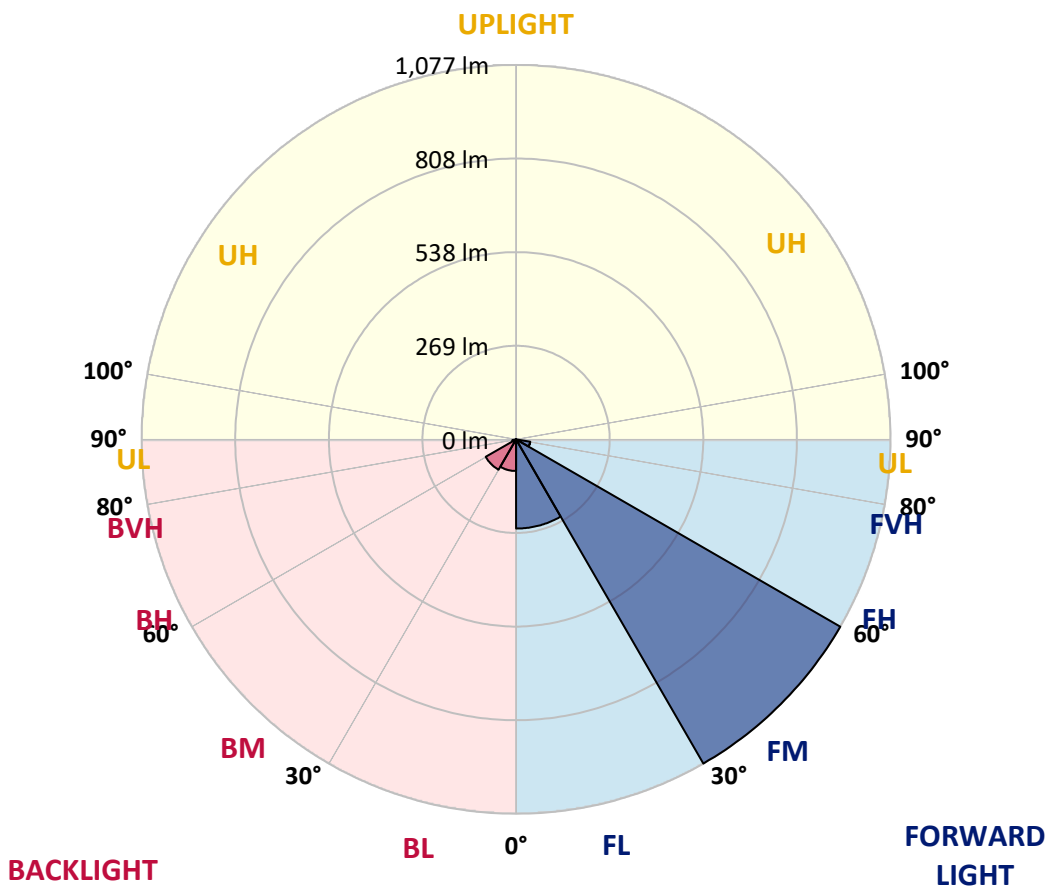
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.5	16.3			
FM (30°-60°)	1076.9	68.3			
FH (60°-80°)	41.3	2.6			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	91.0	5.8	B0/110		
BM (30°-60°)	100.8	6.4	B0/220		
BH (60°-80°)	10.7	0.7	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0
2.5°	544.6	549.0	547.8	542.1	535.9	531.6	524.8	522.7	507.4	496.7	485.5
5°	610.4	611.7	610.2	603.3	592.5	582.2	571.0	564.6	538.9	515.8	492.2
7.5°	626.2	624.5	627.4	630.8	629.3	624.8	613.1	606.0	575.4	537.7	502.0
10°	576.9	573.1	583.8	601.7	620.4	641.6	638.6	639.2	611.0	565.3	514.7
12.5°	511.6	510.1	518.0	538.8	575.6	623.6	635.2	654.5	643.6	595.2	529.3
15°	482.9	483.7	488.5	501.5	528.0	587.7	615.5	650.5	672.7	624.2	545.4
17.5°	487.3	490.0	489.8	494.2	510.2	558.1	590.6	637.7	695.2	657.5	563.8
20°	516.8	519.5	515.5	512.2	517.6	550.6	577.5	624.8	710.4	691.2	583.4
22.5°	561.1	564.3	554.7	545.2	541.8	562.9	582.5	619.5	722.0	722.0	600.8
25°	614.7	619.1	604.2	587.4	577.8	588.9	603.6	631.4	733.8	749.6	612.6
27.5°	674.7	674.8	662.0	643.1	625.1	626.5	635.3	658.1	746.9	779.3	622.0
30°	742.1	742.5	725.6	702.9	680.2	674.1	681.6	698.8	774.1	816.7	634.9
32.5°	829.2	831.3	806.9	773.6	744.2	732.6	737.0	755.1	817.3	863.6	654.2
35°	946.9	949.1	913.3	869.3	822.4	805.0	809.3	827.7	879.9	930.1	685.2
37.5°	1063.1	1066.1	1029.8	988.8	924.5	895.7	900.2	917.6	973.9	1022.0	734.7
40°	1143.4	1147.5	1136.2	1108.6	1049.0	1011.2	1016.6	1022.9	1077.4	1131.9	799.0
42.5°	1185.8	1191.5	1196.3	1210.4	1179.0	1147.4	1138.2	1138.6	1182.6	1243.9	865.8
45°	1188.3	1193.9	1218.5	1273.0	1296.9	1290.3	1273.6	1262.4	1263.0	1318.5	907.5
47.5°	1105.8	1116.1	1162.2	1269.0	1358.8	1413.6	1405.2	1378.4	1296.8	1323.5	903.0
50°	910.1	920.3	1004.1	1157.7	1313.7	1462.8	1497.5	1461.6	1274.7	1261.8	856.6
52.5°	661.0	662.0	716.4	895.8	1131.1	1372.0	1453.7	1450.2	1241.0	1187.0	793.3
55°	314.0	310.2	371.3	505.6	782.3	1109.7	1247.4	1286.4	1193.3	1132.9	744.2
57.5°	91.4	93.2	120.4	197.3	391.3	709.2	854.2	926.9	979.5	931.4	577.2
60°	41.0	41.1	45.8	60.1	130.3	329.9	441.6	531.6	585.6	542.7	286.3
62.5°	29.7	29.9	31.7	33.9	44.3	111.7	165.6	220.7	224.8	147.2	72.5
65°	24.8	24.8	25.1	25.1	26.6	39.9	50.3	64.9	54.7	40.5	28.4
67.5°	20.0	20.1	20.4	20.4	20.0	20.0	21.6	23.7	25.4	31.4	26.1
70°	15.6	15.5	15.5	15.6	15.2	12.9	14.0	15.9	17.4	24.5	22.7
72.5°	12.2	12.3	12.2	11.6	10.5	7.7	8.3	10.4	11.1	15.3	15.3
75°	9.2	9.3	8.7	6.6	4.4	2.4	3.2	5.1	6.5	7.5	5.6
77.5°	1.2	1.2	0.9	0.9	0.8	0.9	0.9	1.2	1.8	1.8	1.4
80°	0.2	0.2	0.2	0.3	0.5	0.6	0.6	0.6	0.6	0.8	0.8
82.5°	0.2	0.2	0.2	0.2	0.5	0.5	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.2	0.3	0.5	0.5	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.2	0.3	0.5	0.5	0.5	0.6	0.6	0.6
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°	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0	478.0
2.5°	478.7	470.0	459.5	452.3	442.1	435.3	425.7	419.2	413.7	409.3	411.7
5°	478.9	465.0	443.6	425.2	405.3	387.0	367.3	351.8	337.9	331.5	335.0
7.5°	481.9	462.0	429.1	396.6	358.3	320.4	285.0	256.2	241.9	235.1	237.2
10°	487.7	460.7	413.1	359.0	296.9	245.2	210.8	191.3	183.3	179.1	179.9
12.5°	493.1	459.8	392.2	309.6	234.2	190.2	172.4	169.7	171.3	171.5	171.3
15°	500.5	458.1	366.4	258.9	187.4	164.4	164.9	168.8	172.7	173.9	173.6
17.5°	508.3	455.6	333.0	210.2	159.0	156.9	162.2	167.4	171.3	171.9	172.1
20°	516.4	450.3	295.1	171.6	145.8	151.2	157.1	161.0	163.8	164.7	165.0
22.5°	520.1	439.2	251.2	144.0	136.9	144.2	148.5	153.6	154.5	151.2	151.8
25°	518.2	420.4	208.4	125.4	128.1	135.3	141.7	139.2	135.4	133.0	133.8
27.5°	512.0	395.5	166.5	111.7	118.6	127.8	128.5	125.7	125.1	123.1	123.7
30°	505.4	366.8	133.9	100.8	109.0	118.6	116.4	117.4	117.6	115.3	116.1
32.5°	501.4	336.8	106.6	93.4	102.9	104.7	109.2	111.3	111.4	106.2	107.1
35°	502.7	307.2	90.2	87.4	97.2	96.7	103.0	104.2	95.5	88.3	89.0
37.5°	513.7	279.9	80.9	82.7	87.2	90.7	95.5	87.5	85.6	82.3	82.7
40°	534.1	256.6	75.4	79.9	80.5	86.0	78.7	79.7	79.9	77.8	78.2
42.5°	558.0	237.2	72.1	78.2	76.7	77.6	70.3	72.4	74.6	73.7	73.9
45°	570.0	218.3	69.2	72.5	73.0	64.4	62.8	65.0	67.9	68.3	68.5
47.5°	559.3	200.3	66.2	64.3	67.3	58.7	56.8	57.5	60.8	62.6	62.9
50°	526.8	179.6	61.7	56.9	55.3	52.7	50.9	51.1	54.8	58.0	58.6
52.5°	481.0	158.0	54.4	48.2	44.4	46.4	46.8	45.9	49.4	52.6	53.2
55°	436.5	130.9	43.1	39.2	35.7	39.9	41.1	39.9	41.0	43.1	43.2
57.5°	307.4	74.0	33.0	32.4	29.6	34.2	36.2	34.4	32.6	33.9	34.2
60°	142.5	38.7	25.4	25.4	24.6	29.4	32.7	30.2	26.7	27.3	27.8
62.5°	44.6	24.5	18.6	17.6	20.1	25.1	27.8	25.2	21.2	21.2	21.8
65°	25.2	21.0	14.7	13.5	16.4	20.1	21.8	19.1	15.5	15.2	15.2
67.5°	23.4	20.0	13.1	11.0	11.6	12.9	13.5	11.7	10.7	10.5	10.7
70°	19.4	16.7	10.5	7.5	7.1	6.9	7.2	6.8	6.5	6.6	7.1
72.5°	12.0	10.1	6.6	4.5	3.9	3.8	3.8	3.8	3.6	3.6	3.6
75°	4.4	3.8	3.0	2.3	2.0	1.8	1.8	2.0	1.8	1.7	1.5
77.5°	1.4	1.2	1.2	1.2	1.1	0.9	0.8	0.8	0.6	0.5	0.5
80°	0.8	0.8	0.8	0.8	0.6	0.6	0.5	0.3	0.2	0.2	0.0
82.5°	0.8	0.8	0.8	0.6	0.6	0.6	0.5	0.3	0.2	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.3	0.2	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.3	0.2	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)