

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: P628853

Luminaire Tested: GWS-SA1A-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628853
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-SA1A-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2786.4 lumens
Efficiency: N/A
Efficacy: 141.4 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

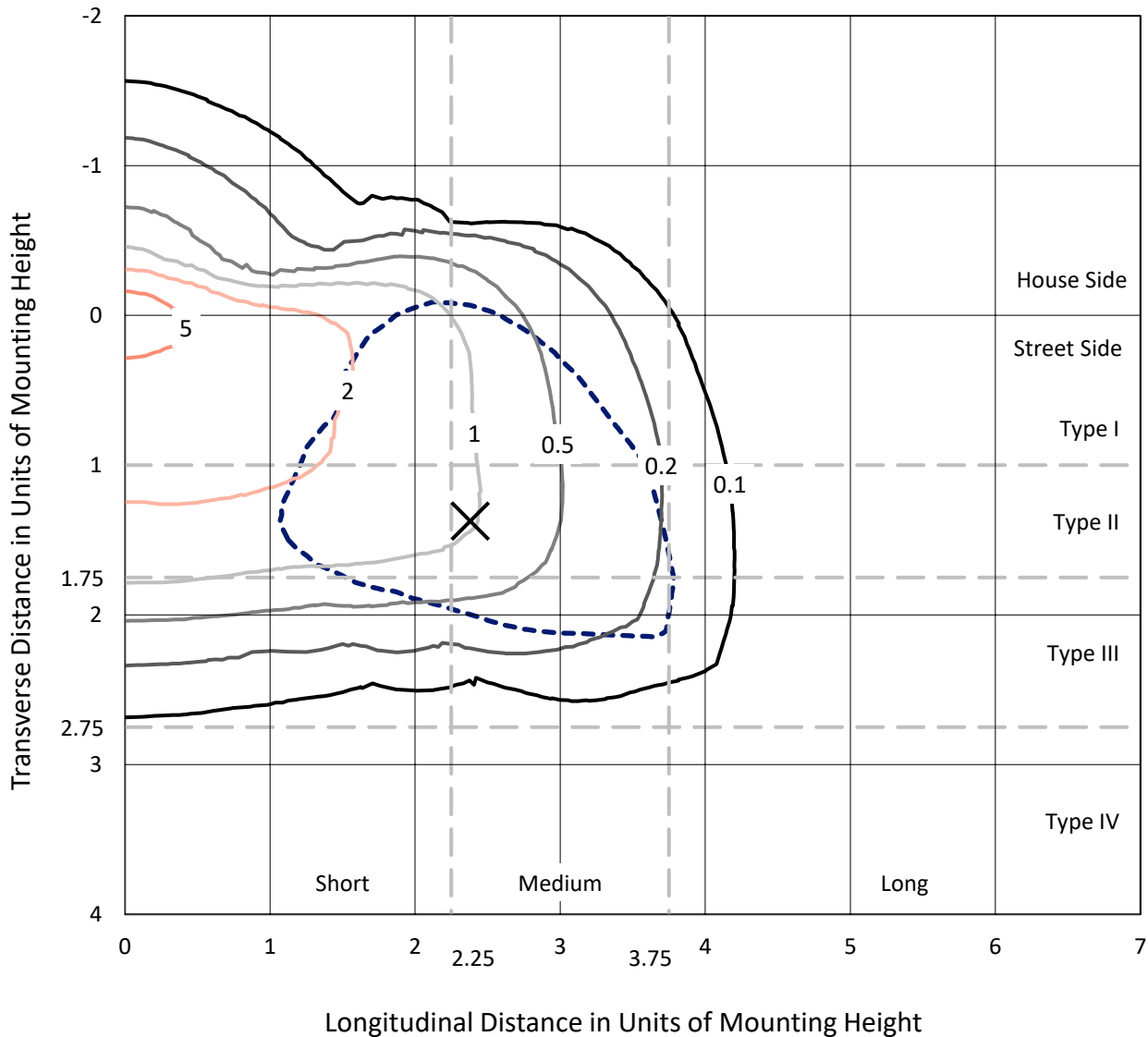
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

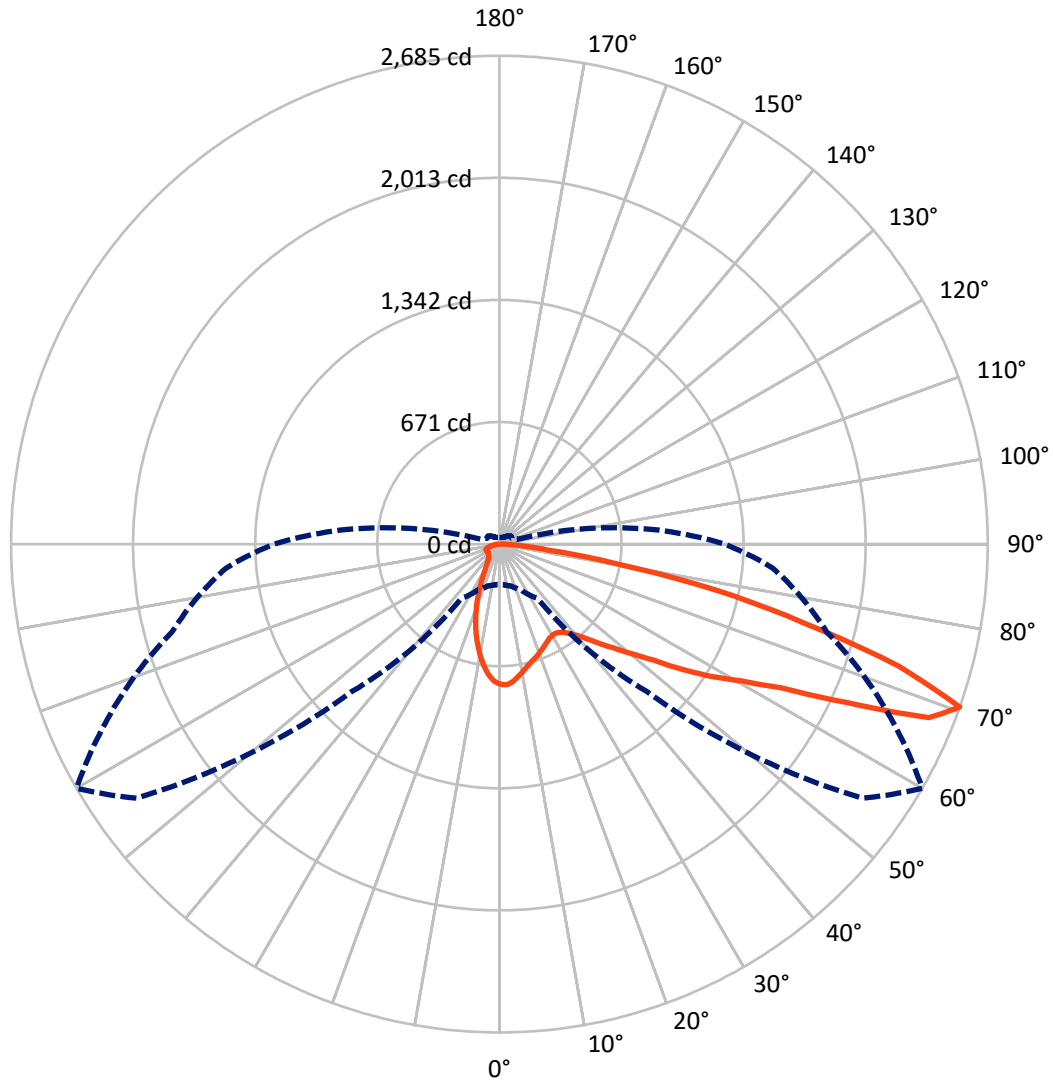
✕ Max cd
 - - - 1/2 Max cd



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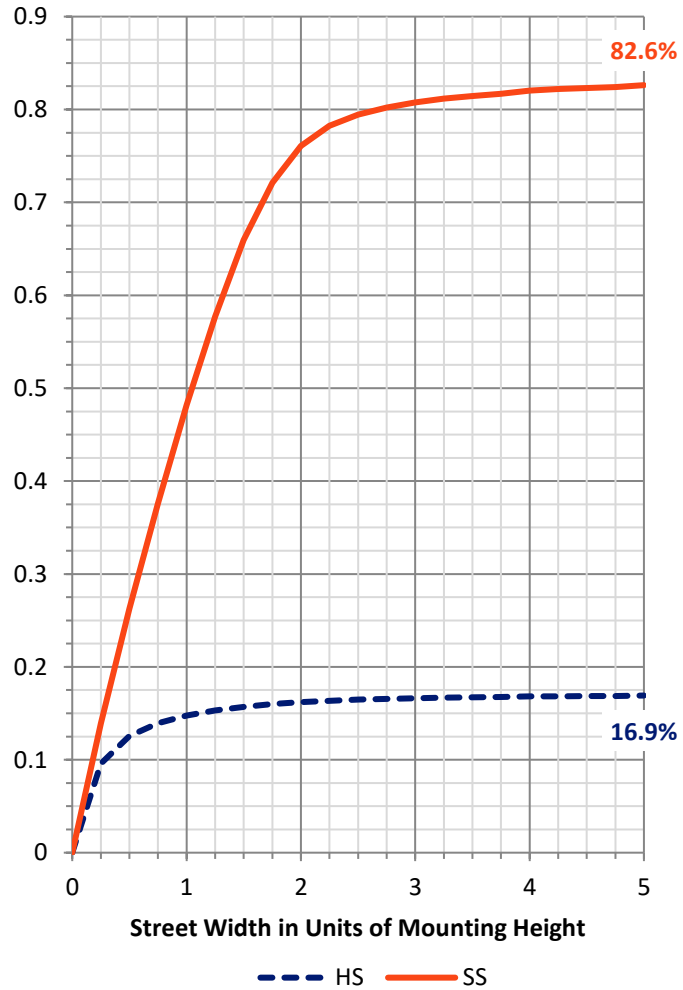
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	476.6	0.0	476.6
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	2309.9	0.0	2309.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	2786.4	0.0	2786.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	2.4
10°-20°	148.9	5.3
20°-30°	190.7	6.8
30°-40°	250.6	9.0
40°-50°	363.6	13.0
50°-60°	567.3	20.4
60°-70°	742.7	26.7
70°-80°	410.7	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°	2786.4	100.0
0°-180°	2786.4	100.0

Coefficient of Utilization



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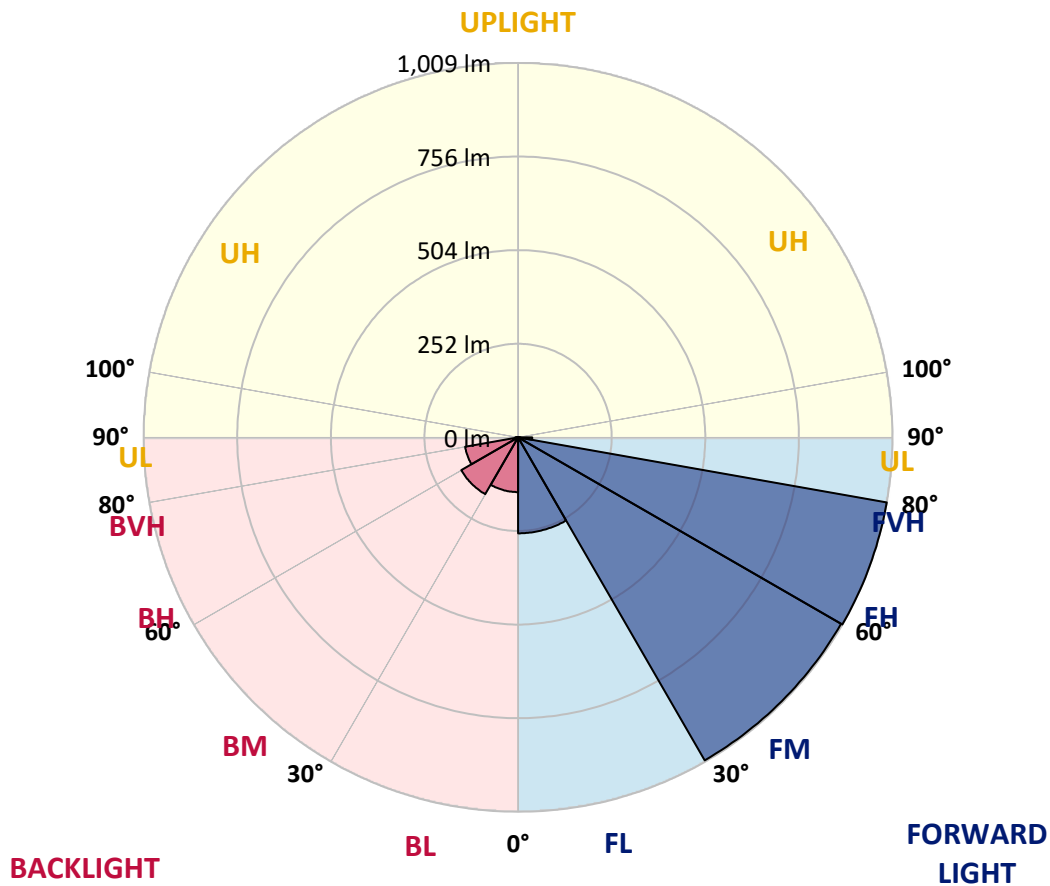
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.6	9.3			
FM (30°-60°)	1004.8	36.1			
FH (60°-80°)	1008.5	36.2			G1/1800
FVH (80°-90°)	38.0	1.4			G1/100
BL (0°-30°)	147.4	5.3	B1/500		
BM (30°-60°)	176.7	6.3	B0/220		
BH (60°-80°)	144.8	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°	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0
2.5°	760.2	761.0	763.3	766.5	769.8	771.4	775.5	774.3	773.5	771.8	769.8
5°	726.6	728.2	730.3	736.6	743.7	749.4	758.6	759.6	760.0	760.8	757.6
7.5°	683.8	684.2	689.1	697.4	706.8	716.6	731.9	736.2	739.8	743.9	741.3
10°	636.5	637.5	641.2	653.2	669.3	683.8	704.4	711.5	719.3	728.2	724.6
12.5°	597.7	597.9	603.9	616.7	634.2	653.8	679.5	688.1	698.3	712.3	709.1
15°	567.0	567.0	572.5	583.5	603.7	626.7	657.3	668.3	682.1	701.1	695.4
17.5°	542.5	542.7	546.2	557.8	575.7	601.2	637.5	652.4	667.7	692.7	684.2
20°	529.7	528.6	529.2	536.4	551.7	576.3	617.7	635.1	655.6	687.0	674.0
22.5°	529.0	527.2	524.6	525.2	534.1	554.5	596.5	617.5	643.4	682.3	663.6
25°	539.4	537.4	532.7	527.4	526.6	538.8	576.5	600.4	630.8	680.3	653.6
27.5°	557.0	555.5	549.4	541.5	533.1	532.7	561.5	586.3	621.6	682.3	646.5
30°	580.2	577.8	573.9	563.7	551.1	538.0	555.5	578.8	615.5	688.9	643.4
32.5°	606.5	605.1	601.4	591.2	577.8	557.0	560.2	580.4	615.5	700.3	644.0
35°	634.4	634.2	634.2	627.5	612.6	586.7	578.8	594.3	624.9	718.6	650.5
37.5°	661.6	661.4	667.9	670.3	653.4	625.5	610.4	622.0	645.4	745.8	666.7
40°	683.6	684.4	698.7	710.9	701.5	675.6	654.4	660.3	678.9	784.3	694.8
42.5°	705.8	708.0	729.4	751.1	754.7	732.3	710.9	714.4	726.8	835.3	736.8
45°	730.1	731.1	761.0	791.2	809.0	795.7	778.2	782.9	785.7	898.2	799.4
47.5°	753.5	756.2	794.9	836.3	869.9	868.7	858.9	857.5	858.1	974.9	873.4
50°	785.5	789.4	834.8	884.8	934.1	956.8	959.6	948.8	944.3	1060.1	965.5
52.5°	846.3	846.3	887.0	936.2	1002.4	1058.5	1077.7	1059.9	1045.6	1150.2	1063.4
55°	922.3	925.6	958.0	997.7	1081.7	1165.5	1230.4	1210.8	1170.4	1248.3	1165.9
57.5°	956.1	960.2	1011.6	1073.4	1185.5	1287.2	1377.1	1370.2	1311.3	1350.2	1272.3
60°	895.0	903.5	974.3	1077.9	1279.5	1483.6	1547.0	1526.8	1442.6	1457.3	1387.7
62.5°	746.6	755.9	834.4	979.0	1266.4	1695.8	1814.6	1740.2	1606.5	1592.4	1541.5
65°	445.5	445.0	539.4	731.1	1105.6	1754.7	2238.3	2099.4	1859.7	1777.9	1699.7
67.5°	283.2	282.6	302.3	387.4	735.8	1610.4	2510.6	2546.7	2203.6	1914.3	1712.7
70°	223.4	223.2	237.5	276.2	363.9	1145.9	2434.8	2684.5	2411.4	1862.3	1508.0
72.5°	162.9	163.3	185.3	231.4	280.7	575.3	1971.6	2297.0	2217.9	1644.0	1224.2
75°	117.0	117.6	130.9	177.2	258.9	314.6	1311.1	1727.2	1687.4	1317.8	842.2
77.5°	74.4	75.2	86.8	124.2	209.2	254.0	794.9	1219.3	1122.7	742.5	299.5
80°	45.5	48.1	57.9	92.6	167.2	190.6	397.3	642.4	562.3	203.7	100.7
82.5°	23.4	25.5	34.9	57.3	115.2	167.4	224.9	269.9	174.1	85.2	53.6
85°	7.3	8.6	12.2	23.2	54.8	103.8	148.8	134.1	79.9	40.2	24.9
87.5°	1.8	1.8	2.0	2.0	2.2	4.7	28.7	30.4	21.2	12.6	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°	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0
2.5°	765.7	760.8	758.8	758.6	753.5	746.2	741.3	737.8	735.8	735.4	735.4
5°	752.1	745.8	737.4	731.1	717.4	703.6	691.9	685.4	677.9	676.8	676.6
7.5°	733.9	724.8	708.9	691.1	667.3	644.2	624.7	611.4	598.2	595.7	594.9
10°	714.4	701.9	674.8	643.6	607.9	573.5	543.5	520.1	504.6	493.6	491.5
12.5°	695.0	678.5	638.7	592.2	543.3	496.2	451.2	412.8	385.1	369.0	366.1
15°	676.8	653.8	599.4	540.0	476.4	412.0	348.2	298.5	259.5	245.7	242.4
17.5°	660.3	631.6	561.3	486.0	406.7	322.5	249.9	205.7	182.9	175.9	174.3
20°	643.8	608.8	522.5	429.1	332.7	238.3	182.7	161.9	153.3	150.7	149.8
22.5°	626.1	583.7	480.3	373.1	257.9	178.4	149.4	140.3	137.6	137.8	137.6
25°	608.3	558.2	436.1	312.1	192.0	144.7	130.5	127.0	127.6	129.5	129.9
27.5°	593.7	535.6	392.7	245.3	150.0	124.6	117.8	117.6	119.9	122.3	122.7
30°	583.1	515.4	349.8	188.6	123.5	110.7	108.1	109.3	111.9	113.8	114.4
32.5°	575.5	498.1	304.2	148.2	108.3	100.9	99.7	100.9	102.5	104.4	104.8
35°	572.9	485.4	259.3	120.9	97.9	93.8	93.0	93.6	94.4	95.4	95.8
37.5°	578.8	479.1	212.4	105.2	91.5	89.1	87.9	87.5	87.7	88.1	88.3
40°	596.3	481.9	174.1	96.0	87.5	85.2	83.2	82.4	82.2	82.6	82.4
42.5°	626.5	494.0	146.4	90.7	84.2	80.9	78.7	77.9	77.9	78.9	78.9
45°	670.7	517.6	126.4	86.8	81.3	77.3	74.8	74.4	75.2	76.9	77.1
47.5°	735.6	552.3	114.4	84.0	78.7	74.0	71.6	71.4	73.0	75.6	75.8
50°	812.4	602.2	107.8	82.0	76.9	71.4	68.9	69.1	70.9	73.8	74.4
52.5°	905.0	670.3	108.3	81.1	75.8	69.7	67.3	66.9	68.7	71.6	72.2
55°	1000.6	753.1	116.2	81.3	74.4	68.9	65.6	64.2	65.8	67.9	68.1
57.5°	1105.8	846.5	136.0	80.9	72.6	68.1	64.2	61.0	62.0	63.2	63.8
60°	1224.4	956.3	178.6	81.8	71.8	66.3	61.4	57.1	56.9	57.7	57.9
62.5°	1383.0	1105.8	226.5	83.2	73.6	64.0	57.1	52.6	51.8	52.2	52.4
65°	1504.4	1177.1	211.4	82.0	77.5	62.4	53.0	48.3	46.7	46.3	46.3
67.5°	1455.0	1082.7	147.2	78.7	79.3	62.6	49.7	43.8	41.8	40.8	40.6
70°	1238.1	879.5	102.3	75.4	77.3	62.2	46.3	40.2	37.5	36.1	35.9
72.5°	978.2	671.5	82.8	68.9	70.1	56.1	41.2	36.1	33.8	32.0	32.0
75°	629.5	409.8	69.1	61.4	57.3	43.6	35.7	32.2	30.0	28.1	28.1
77.5°	211.8	152.1	53.6	52.0	42.8	32.8	30.0	27.7	25.9	24.3	24.1
80°	86.0	72.2	39.3	39.3	30.0	25.1	23.4	22.4	21.2	19.2	19.2
82.5°	49.9	43.8	27.5	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	7.7
87.5°	13.0	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)