

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: P629095

Luminaire Tested: GWS-SA1A-830-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-830-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1658.5 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G0

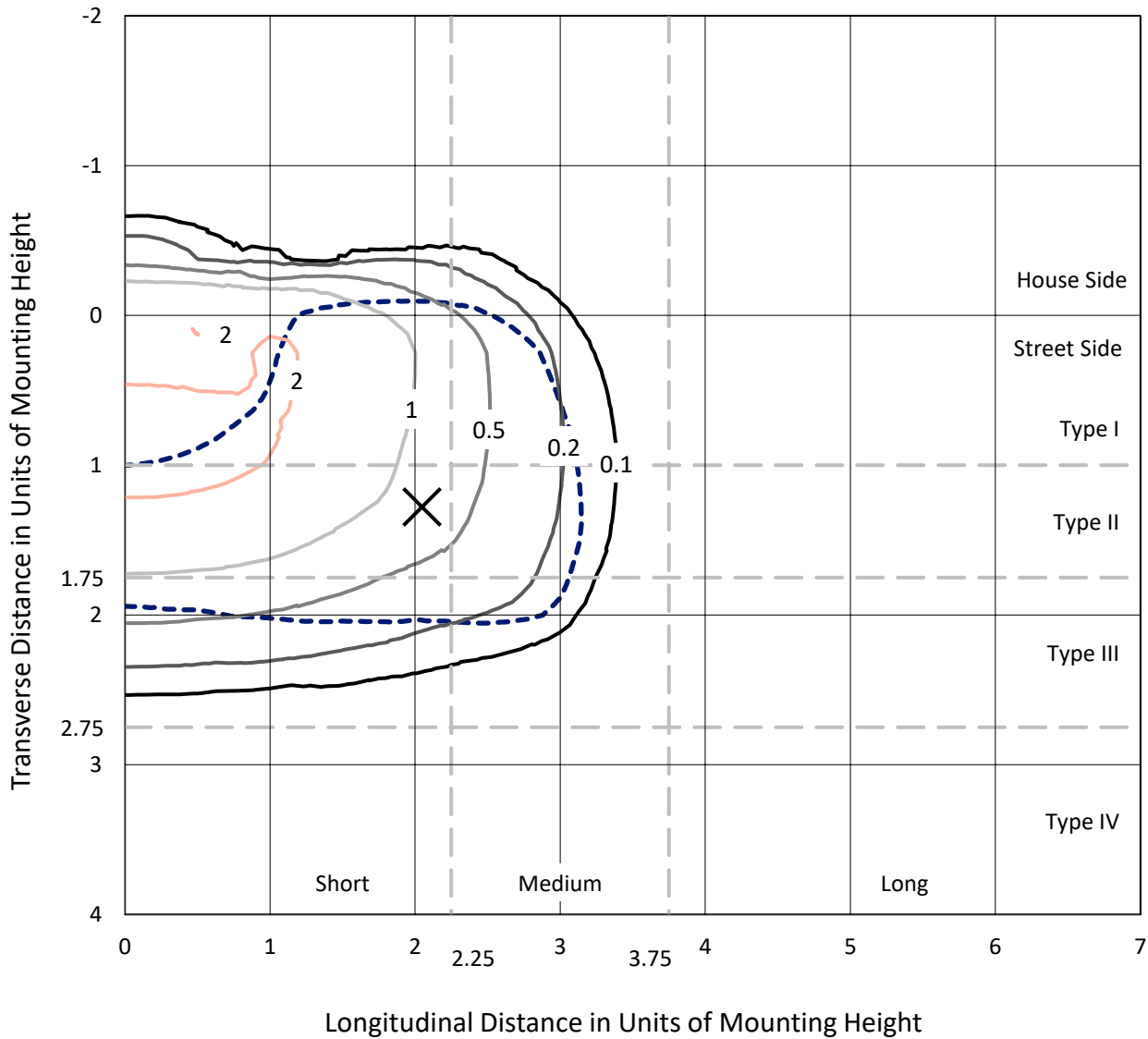
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629095
 CATALOG NUMBER: GWS-SA1A-830-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

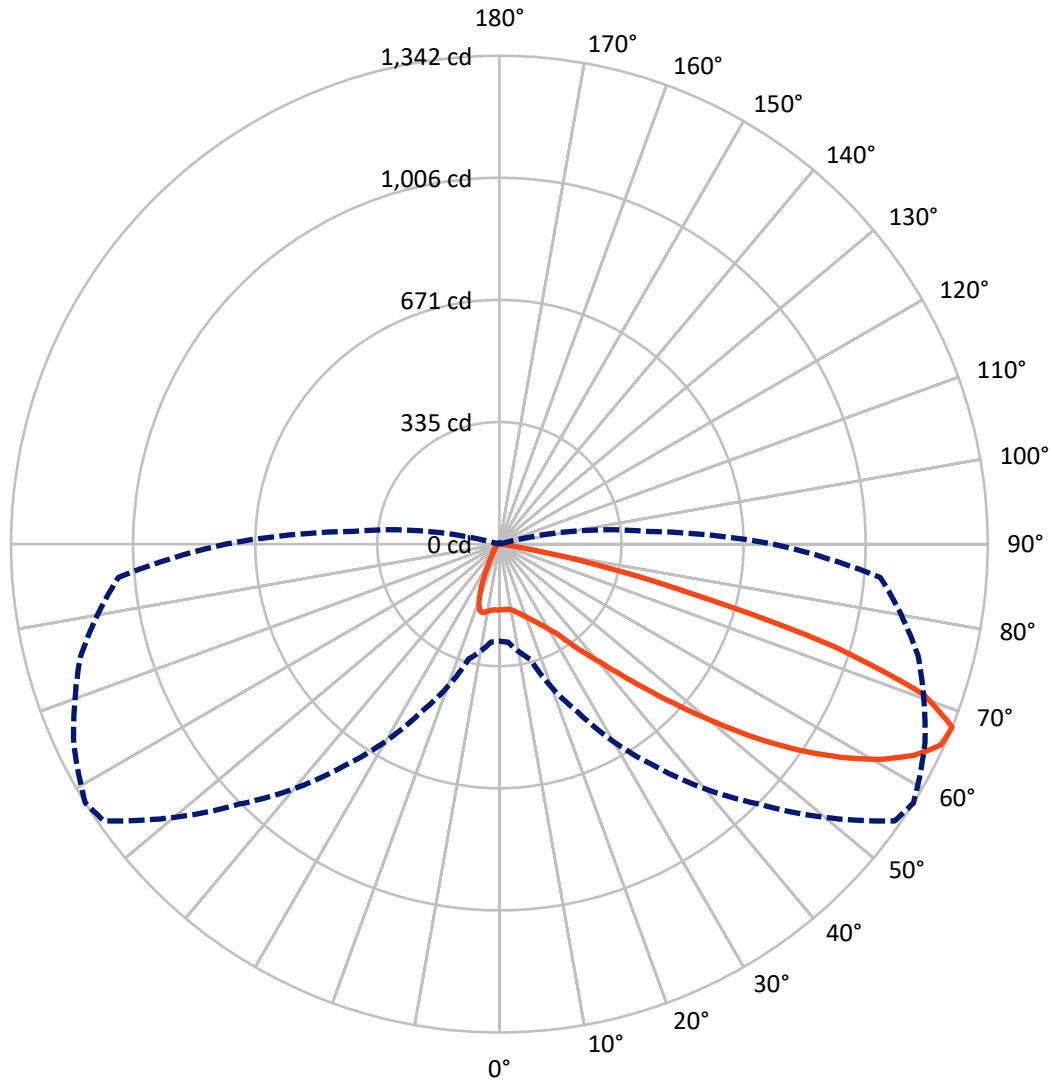
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - N/A

REPORT NUMBER: P629095
CATALOG NUMBER: GWS-SA1A-830-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629095
 CATALOG NUMBER: GWS-SA1A-830-U-T3-W-HSS

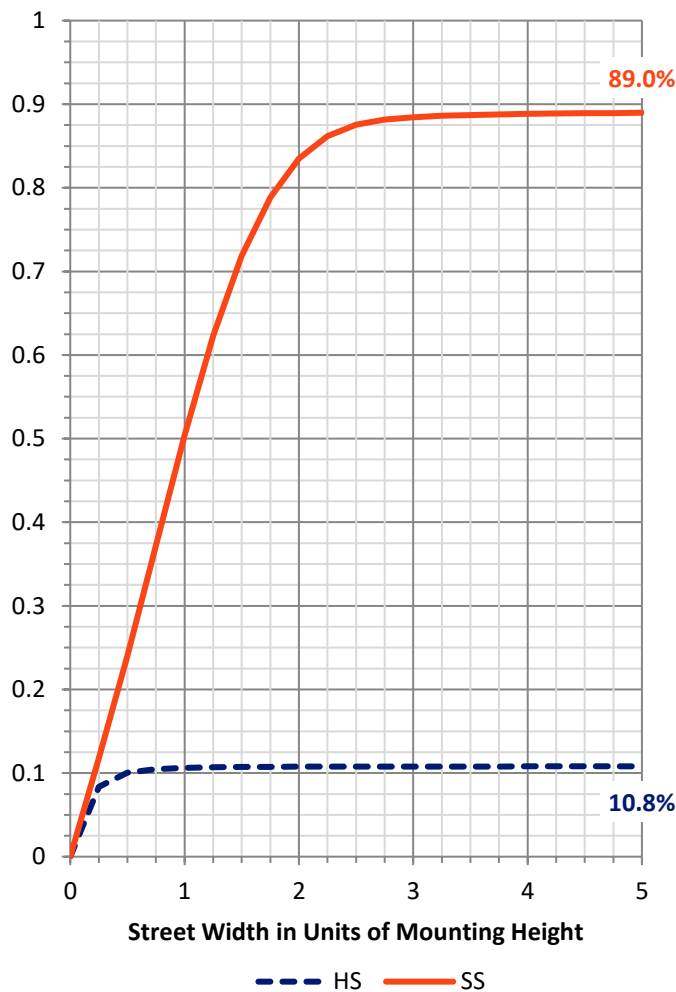
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	180.9	0.0	180.9
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	1477.6	0.0	1477.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	1658.5	0.0	1658.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	1.0
10°-20°	47.7	2.9
20°-30°	83.2	5.0
30°-40°	148.6	9.0
40°-50°	271.6	16.4
50°-60°	451.7	27.2
60°-70°	490.6	29.6
70°-80°	144.0	8.7
80°-90°	4.1	0.2
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°	1658.5	100.0
0°-180°	1658.5	100.0

Coefficient of Utilization



REPORT NUMBER: P629095

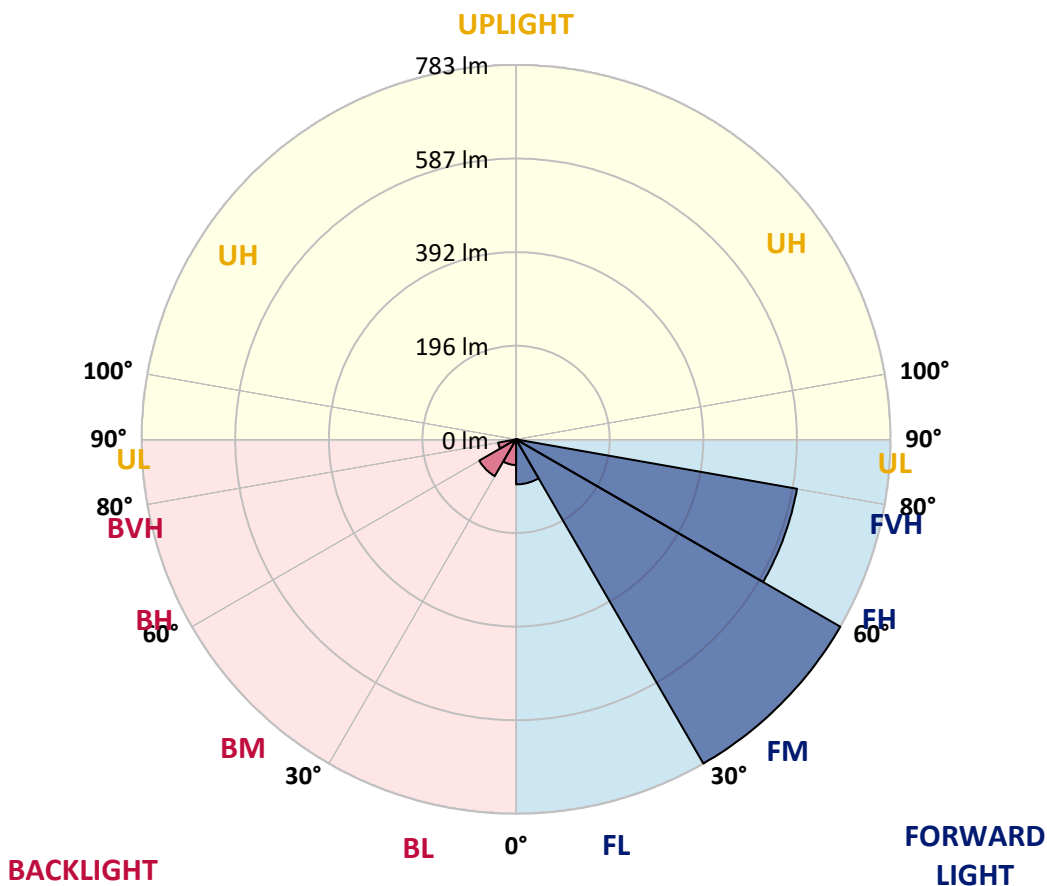
CATALOG NUMBER: GWS-SA1A-830-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.2	5.7			
FM (30°-60°)	783.0	47.2			
FH (60°-80°)	596.5	36.0			G0/660
FVH (80°-90°)	3.9	0.2			G0/10
BL (0°-30°)	53.7	3.2	B0/110		
BM (30°-60°)	88.9	5.4	B0/220		
BH (60°-80°)	38.2	2.3	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 III Short





REPORT NUMBER: P629095
 CATALOG NUMBER: GWS-SA1A-830-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7
2.5°	177.3	177.0	177.0	178.3	178.5	179.1	180.6	180.7	181.5	181.2	180.1
5°	168.1	168.3	169.2	171.5	173.4	175.9	179.4	180.2	182.0	183.0	182.3
7.5°	159.5	159.7	161.1	164.7	168.4	173.3	179.1	180.7	184.3	186.9	187.0
10°	156.3	156.1	157.6	161.6	166.5	173.3	181.7	183.8	189.1	193.7	194.5
12.5°	157.2	157.1	158.5	162.3	167.6	176.2	186.2	189.1	195.9	202.9	204.4
15°	161.1	161.0	161.9	165.0	170.8	179.8	192.1	196.4	205.0	213.4	215.7
17.5°	172.8	172.0	171.0	171.3	174.7	184.0	199.5	204.9	215.5	225.6	227.5
20°	193.5	191.4	188.8	185.4	183.8	190.1	208.1	214.2	227.2	238.7	239.0
22.5°	224.8	224.0	218.0	208.1	201.1	201.3	218.1	225.3	241.1	253.8	252.0
25°	268.3	267.9	258.6	242.4	224.3	218.1	230.9	238.2	257.6	271.1	265.4
27.5°	322.4	319.0	308.2	286.3	259.3	240.0	247.1	253.6	275.1	287.8	277.1
30°	369.6	369.7	359.5	336.7	306.2	272.9	266.9	272.5	291.2	304.5	291.5
32.5°	414.9	416.4	405.2	384.6	351.3	315.8	295.2	296.2	311.7	326.2	310.4
35°	457.0	458.1	450.4	432.9	401.8	360.6	334.7	334.2	342.7	357.4	336.8
37.5°	504.1	505.3	497.6	481.9	452.8	412.0	379.6	378.9	382.3	394.3	370.8
40°	554.3	556.4	548.0	534.7	506.9	472.4	431.7	425.9	422.5	436.6	414.9
42.5°	605.2	608.4	605.5	592.2	568.4	539.9	499.4	490.4	483.1	500.7	477.7
45°	668.3	672.2	670.9	660.7	642.3	619.1	580.9	570.4	567.0	583.3	555.9
47.5°	729.1	733.3	738.0	735.7	722.6	711.9	669.5	663.5	662.5	680.0	637.6
50°	774.2	778.1	796.1	809.1	818.0	815.7	778.9	770.0	768.6	779.7	723.7
52.5°	806.6	810.4	835.1	875.6	908.3	926.1	889.1	887.1	879.2	875.3	804.4
55°	831.7	836.9	863.0	924.2	990.1	1029.6	1006.5	999.5	979.1	956.8	879.2
57.5°	836.8	838.9	875.6	958.2	1053.6	1117.6	1117.6	1105.4	1066.1	1035.1	965.7
60°	791.7	798.2	847.9	955.5	1080.8	1175.0	1209.7	1201.3	1148.2	1110.1	1048.9
62.5°	691.8	699.1	759.7	889.5	1053.6	1186.9	1279.5	1278.2	1218.3	1172.1	1117.9
65°	530.5	535.9	588.7	744.1	938.6	1141.4	1329.4	1332.9	1273.7	1213.1	1141.7
67.5°	266.6	270.3	327.3	508.3	744.0	1010.4	1326.0	1341.8	1290.5	1191.4	1050.8
70°	93.1	96.8	123.7	218.1	452.8	771.5	1211.3	1237.2	1191.6	1017.0	775.2
72.5°	31.9	33.7	51.3	81.0	176.2	457.3	921.1	960.2	878.4	682.7	445.5
75°	18.1	19.3	27.5	43.9	73.8	150.4	522.6	546.6	512.1	372.1	183.3
77.5°	12.3	13.3	17.2	24.9	40.8	48.4	213.1	268.3	234.0	121.5	46.8
80°	7.3	7.9	10.5	14.7	20.9	18.8	45.7	60.7	78.2	36.3	14.1
82.5°	3.4	3.9	6.8	9.7	10.5	7.9	13.4	16.4	22.0	17.8	5.8
85°	0.0	0.0	2.3	4.0	3.9	2.3	3.7	4.0	6.0	8.9	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.5	1.0	1.8	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629095
 CATALOG NUMBER: GWS-SA1A-830-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7	180.7
2.5°	181.4	180.2	181.5	180.9	181.5	181.4	180.1	179.3	179.3	177.8	177.3
5°	183.6	182.5	182.8	181.4	181.1	180.2	178.6	178.0	178.0	176.5	176.0
7.5°	188.7	186.9	186.6	183.6	182.3	180.1	177.2	176.0	175.9	174.4	173.9
10°	196.6	194.5	193.0	189.3	185.6	181.1	174.9	169.7	166.8	162.9	162.6
12.5°	206.3	203.7	201.5	195.8	189.6	179.4	161.3	142.3	130.7	121.5	122.1
15°	217.2	214.7	211.2	202.6	190.0	163.4	125.5	96.4	82.1	74.5	74.2
17.5°	229.0	225.4	219.6	207.9	179.8	124.9	81.6	57.7	50.2	47.6	47.0
20°	240.0	235.6	228.3	209.1	150.3	84.5	51.0	44.7	43.4	42.6	42.6
22.5°	251.7	246.2	235.3	200.3	111.7	54.1	43.4	41.9	41.0	39.8	39.7
25°	263.5	256.4	241.6	177.5	73.2	42.6	40.6	39.0	37.2	35.5	35.0
27.5°	273.5	264.3	246.5	143.5	47.0	38.4	37.1	34.3	31.9	30.0	29.6
30°	285.5	273.7	248.6	104.9	36.9	33.8	31.9	29.0	26.1	24.1	23.5
32.5°	301.5	288.6	245.3	68.3	32.7	29.8	26.7	23.3	20.4	18.3	18.0
35°	326.5	311.1	230.4	43.6	29.6	25.7	22.0	18.5	16.0	14.4	14.1
37.5°	356.9	342.7	206.0	32.7	26.6	22.3	18.0	14.6	12.8	11.7	11.3
40°	402.1	382.2	175.7	28.7	23.5	18.9	14.7	12.0	10.7	9.7	9.4
42.5°	460.7	428.8	140.9	26.1	20.6	15.9	12.0	9.9	8.7	8.1	7.9
45°	529.2	474.3	104.1	23.5	17.8	13.1	9.9	8.1	7.3	6.8	6.6
47.5°	599.3	514.2	71.9	20.7	15.2	10.9	8.3	7.0	6.3	5.7	5.5
50°	674.2	547.8	49.1	18.0	13.0	8.9	7.1	6.3	5.5	5.0	4.9
52.5°	729.1	560.3	34.2	15.5	11.0	7.6	6.3	5.7	5.0	4.4	4.2
55°	779.7	560.0	25.9	13.1	9.4	6.6	5.7	5.0	4.4	3.9	3.7
57.5°	830.3	555.6	20.4	11.2	8.1	6.0	5.0	4.4	4.0	3.4	3.2
60°	863.0	539.1	15.9	9.4	7.0	5.2	4.4	3.9	3.4	2.9	2.8
62.5°	880.3	516.1	12.1	7.4	5.7	4.5	3.9	3.4	2.9	2.4	2.3
65°	856.8	475.3	9.6	5.8	4.4	3.9	3.2	2.8	2.3	1.8	1.6
67.5°	752.7	400.8	7.4	4.7	3.4	2.9	2.8	2.3	1.6	1.3	1.1
70°	532.0	274.5	5.8	3.6	2.6	2.3	2.1	1.8	1.3	1.0	0.8
72.5°	292.0	138.5	4.2	2.6	1.9	1.8	1.6	1.5	1.1	0.8	0.8
75°	112.4	38.1	3.1	1.8	1.3	1.3	1.1	1.1	1.0	0.6	0.6
77.5°	29.3	11.3	1.9	1.1	0.8	0.8	0.8	0.6	0.6	0.5	0.5
80°	9.4	3.7	1.1	0.8	0.6	0.5	0.5	0.3	0.5	0.3	0.3
82.5°	3.1	1.3	0.6	0.6	0.5	0.3	0.3	0.2	0.2	0.0	0.0
85°	1.1	0.6	0.5	0.3	0.3	0.3	0.2	0.0	0.0	0.0	0.0
87.5°	0.6	0.3	0.3	0.3	0.3	0.2	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)