

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: P629588

Luminaire Tested: GWS-SA1B-830-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-830-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1758.1 lumens
Efficiency: N/A
Efficacy: 70.3 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

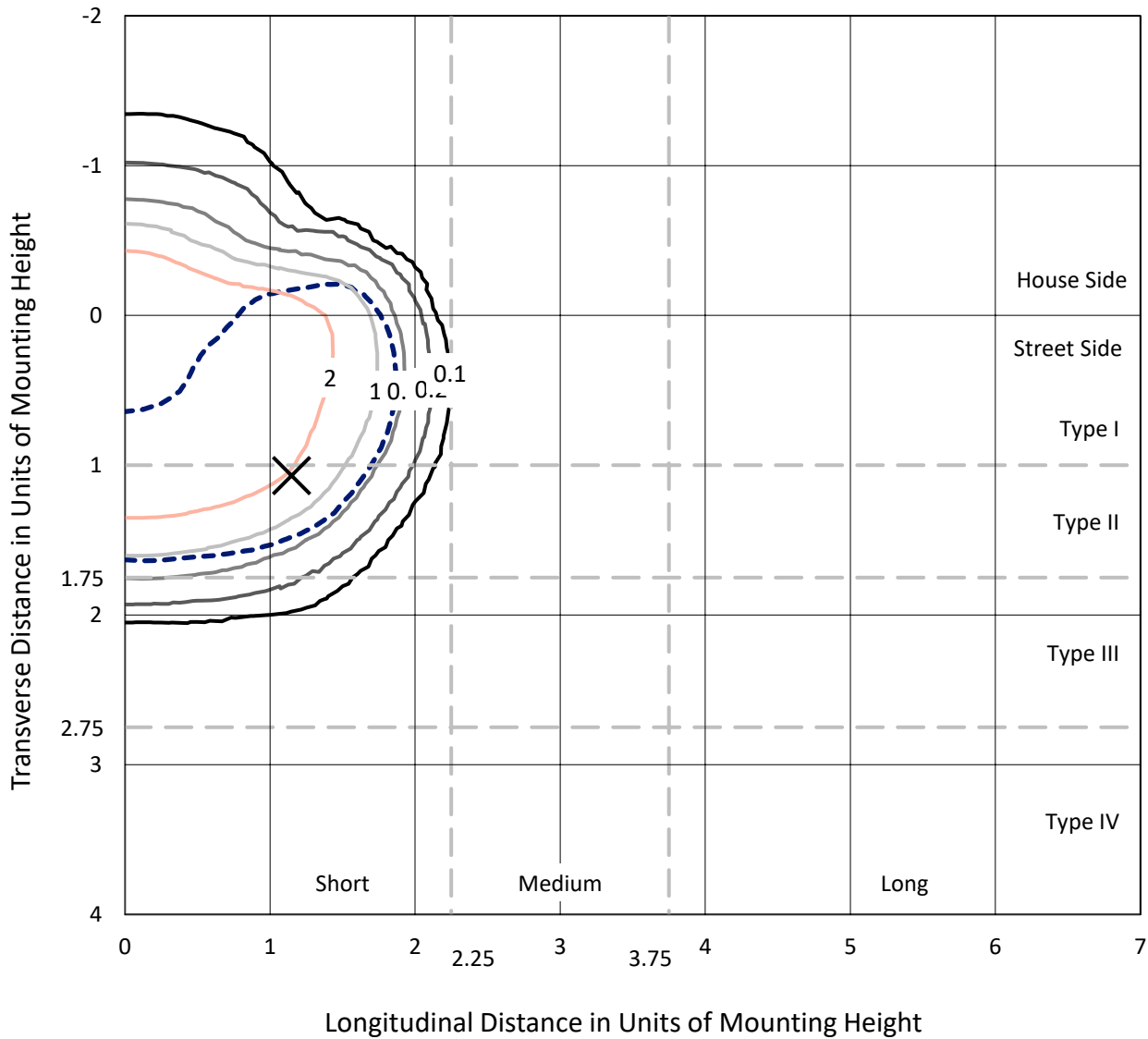
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

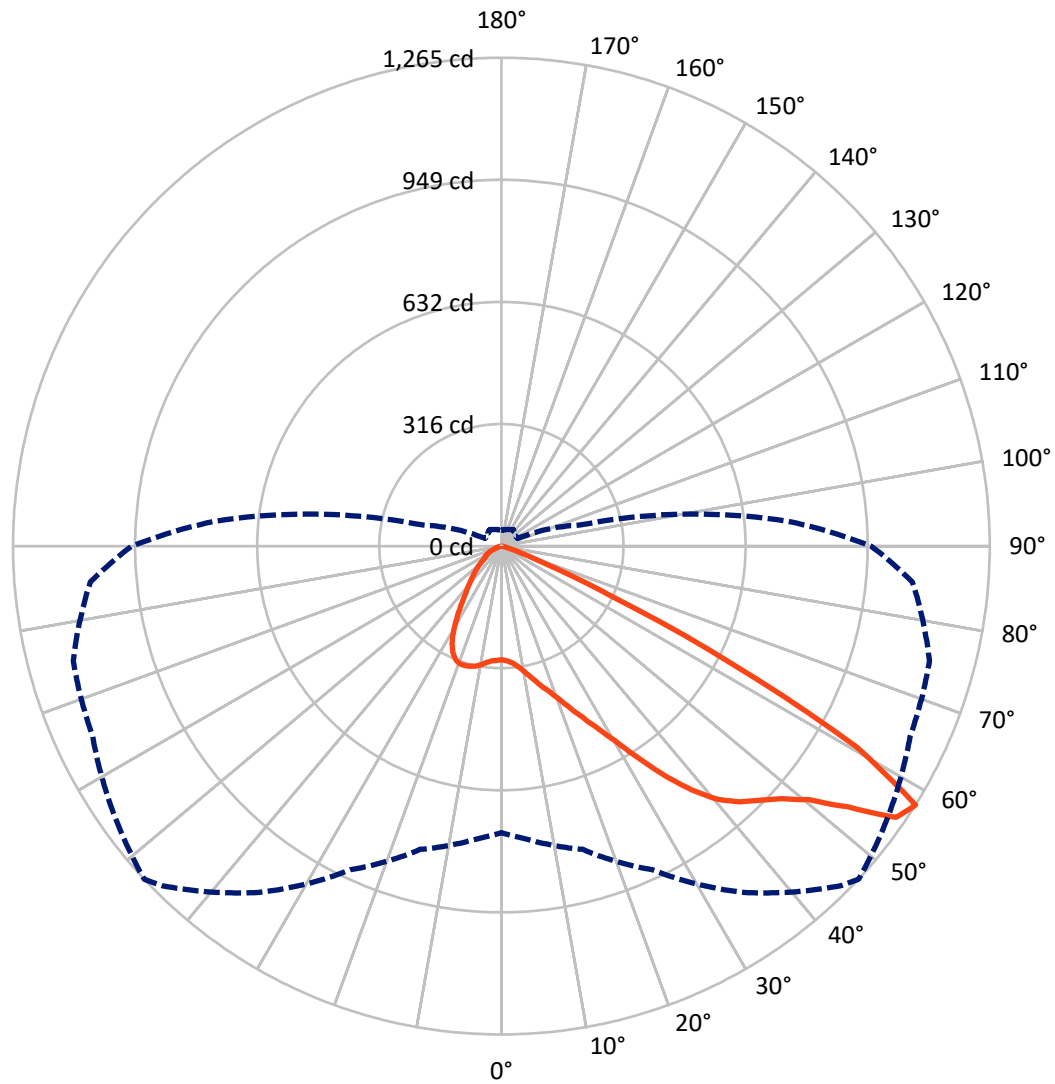
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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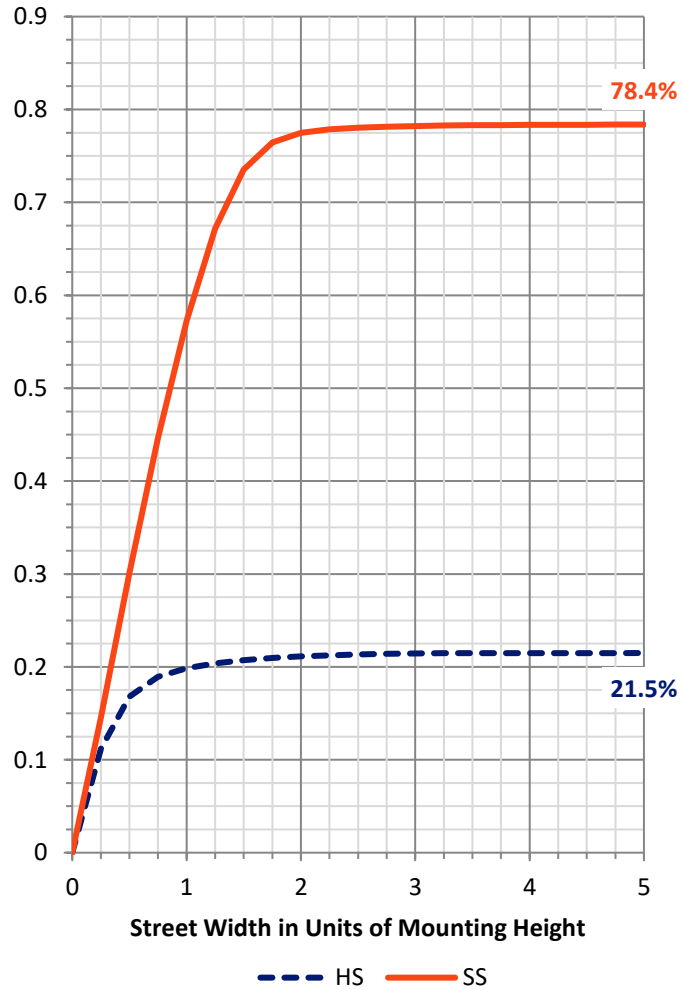
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	381.4	0.0	381.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1376.7	0.0	1376.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	1758.1	0.0	1758.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	1.7
10°-20°	98.8	5.6
20°-30°	183.4	10.4
30°-40°	293.7	16.7
40°-50°	429.3	24.4
50°-60°	529.8	30.1
60°-70°	177.0	10.1
70°-80°	16.5	0.9
80°-90°	0.3	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°	1758.1	100.0
0°-180°	1758.1	100.0

Coefficient of Utilization



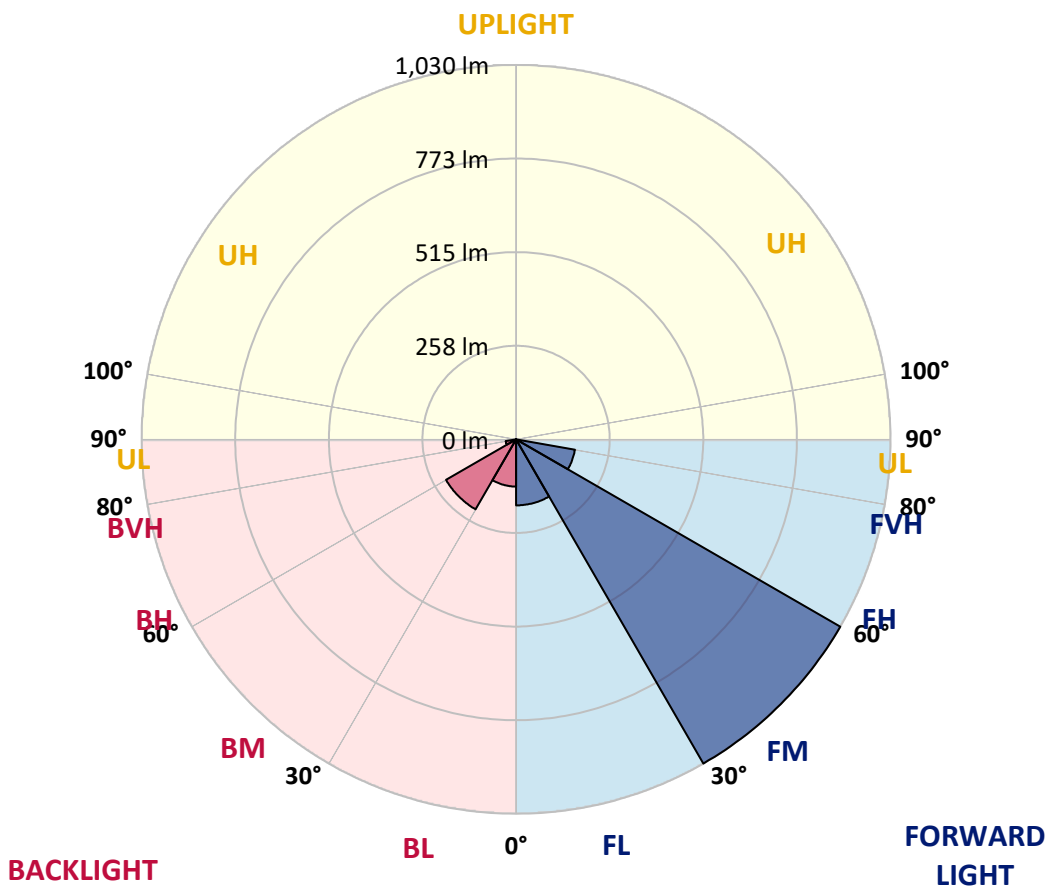
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	181.7	10.3			
FM (30°-60°)	1030.2	58.6			
FH (60°-80°)	164.5	9.4			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	129.8	7.4	B1/500		
BM (30°-60°)	222.5	12.7	B1/1000		
BH (60°-80°)	29.0	1.6	B0/110		G0/110
BVH (80°-90°)	0.1	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°	47°	55°	65°	75°	85°
0°	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3
2.5°	297.4	297.2	297.0	298.2	297.8	297.6	298.0	298.0	298.0	296.8	294.3
5°	304.5	304.5	304.3	305.5	304.5	303.9	304.1	304.1	303.3	301.0	298.0
7.5°	315.7	315.3	314.9	316.1	315.1	314.9	315.3	314.1	312.7	309.0	304.7
10°	331.9	331.9	331.2	332.5	331.7	331.2	331.2	330.4	327.8	322.1	315.7
12.5°	354.1	353.1	351.7	350.6	350.2	350.0	350.2	349.0	346.1	338.8	330.0
15°	378.4	377.6	375.3	373.7	371.5	371.0	372.3	371.3	368.4	358.4	345.9
17.5°	409.0	410.0	404.3	400.8	394.3	393.9	394.3	395.9	393.9	381.0	362.9
20°	435.1	436.0	431.7	429.2	423.3	420.6	421.5	424.1	421.9	406.8	381.5
22.5°	463.1	464.1	459.6	454.5	451.9	451.9	454.9	458.6	455.5	435.7	402.7
25°	496.6	497.4	493.7	487.0	482.3	488.2	492.7	502.5	497.4	470.4	427.8
27.5°	534.9	535.1	529.8	522.9	520.4	531.5	536.0	551.1	549.0	509.4	454.3
30°	576.0	576.2	574.9	570.2	568.0	582.5	588.6	610.5	609.0	557.8	490.4
32.5°	618.6	618.6	620.9	620.5	623.1	646.8	656.6	681.5	680.1	617.0	535.3
35°	661.5	661.7	665.6	675.4	686.4	717.8	730.7	760.9	757.6	687.8	592.7
37.5°	710.3	708.2	713.5	728.2	752.7	789.0	801.3	830.1	826.4	760.3	667.6
40°	769.0	765.4	765.4	782.5	810.3	852.1	862.5	876.8	864.4	818.8	741.1
42.5°	833.9	830.5	826.0	841.1	864.4	897.0	905.6	901.7	891.5	874.1	824.8
45°	899.7	894.4	897.4	906.6	920.1	935.6	938.8	920.9	916.2	921.1	893.9
47.5°	949.7	946.0	953.5	966.4	977.4	979.7	977.4	952.5	952.1	969.5	941.9
50°	966.4	966.8	987.6	1015.8	1033.5	1035.4	1032.3	1003.7	999.9	1005.0	967.8
52.5°	968.0	969.7	1000.1	1053.8	1102.1	1124.2	1121.7	1090.9	1052.9	1047.4	1007.0
55°	928.6	938.2	980.7	1059.1	1161.9	1232.3	1240.5	1181.5	1125.2	1120.5	1091.3
57.5°	742.3	761.9	813.1	924.8	1095.2	1243.6	1264.8	1222.3	1167.8	1147.8	1068.7
60°	443.7	468.0	517.2	654.1	833.5	1022.1	1058.7	1064.6	1039.5	981.7	819.9
62.5°	190.4	188.4	249.0	353.9	495.8	649.6	666.2	691.9	713.7	653.3	497.6
65°	65.3	71.0	98.8	159.6	248.2	301.7	316.4	339.4	370.4	305.7	182.3
67.5°	40.4	42.9	56.9	94.3	133.9	131.8	125.3	121.6	118.4	81.0	50.0
70°	29.4	31.4	40.0	64.9	90.0	63.3	54.9	44.5	49.4	45.5	35.5
72.5°	19.8	21.4	27.6	39.4	46.1	30.8	28.6	32.5	39.2	37.3	29.0
75°	11.8	12.9	15.7	19.2	18.8	15.9	16.1	22.9	30.0	28.0	20.6
77.5°	8.2	8.6	10.4	12.4	9.2	4.9	4.5	6.3	10.2	10.2	6.9
80°	2.0	2.7	2.7	1.6	1.4	1.2	1.2	1.8	2.9	2.0	1.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
87.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
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°	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3	294.3
2.5°	295.7	293.3	294.9	294.5	295.7	296.1	294.3	293.9	294.1	291.7	290.8
5°	298.6	295.7	296.6	295.7	297.2	298.4	297.8	298.6	299.6	297.8	297.0
7.5°	304.7	301.9	301.7	300.4	302.5	303.3	303.1	305.3	307.4	306.1	304.9
10°	315.3	311.5	311.0	310.0	310.6	311.2	309.0	309.4	311.2	309.8	309.2
12.5°	328.4	323.7	322.7	320.2	320.2	317.2	312.3	311.2	312.7	311.7	310.6
15°	342.5	336.1	334.5	330.2	326.1	320.4	315.3	314.1	315.1	313.9	313.1
17.5°	358.2	351.0	345.7	338.2	329.2	322.5	316.8	314.1	312.5	310.0	309.8
20°	373.7	364.3	355.3	343.3	331.5	321.2	311.9	304.9	299.0	295.3	293.9
22.5°	391.7	377.8	363.3	346.4	329.4	313.9	297.4	285.5	275.3	271.9	270.2
25°	410.8	392.9	371.3	349.2	322.5	297.6	275.1	257.6	244.1	239.6	237.8
27.5°	432.1	407.4	379.4	348.6	308.2	274.3	244.5	222.7	209.4	205.3	206.8
30°	459.0	426.2	389.6	342.3	286.8	241.7	206.8	188.4	178.4	174.5	174.7
32.5°	494.9	453.1	404.5	328.8	259.2	204.5	173.9	160.4	153.7	148.6	148.2
35°	546.4	494.1	418.4	307.2	225.7	171.4	149.2	138.6	129.2	123.3	124.3
37.5°	608.0	545.8	426.0	278.0	188.2	145.7	130.6	119.8	109.2	100.4	101.4
40°	681.1	613.3	425.3	239.6	153.9	128.2	115.1	102.5	89.2	81.2	82.0
42.5°	762.5	677.2	412.1	199.0	127.6	113.9	100.2	84.3	71.4	66.5	66.7
45°	833.1	729.0	388.8	157.0	107.4	100.0	84.7	68.4	62.7	59.2	59.0
47.5°	885.4	767.0	355.5	123.5	91.0	87.4	69.6	61.2	56.7	53.9	53.5
50°	914.6	780.3	318.8	96.7	76.9	74.1	62.2	55.5	52.5	50.6	50.2
52.5°	953.7	796.2	292.5	76.3	64.5	60.6	57.4	51.6	49.6	48.2	47.6
55°	1015.8	827.0	269.6	60.6	53.7	52.9	54.1	49.4	48.2	45.9	45.1
57.5°	957.4	742.9	209.4	46.9	45.3	48.4	52.2	47.1	44.1	42.0	41.2
60°	673.7	493.9	105.3	37.8	40.4	45.3	49.2	42.7	39.6	40.0	39.6
62.5°	371.5	247.2	47.4	31.6	35.1	40.0	42.0	36.9	34.9	38.4	39.0
65°	121.4	84.1	27.3	24.5	27.8	32.7	36.3	35.1	34.7	38.8	40.0
67.5°	37.3	27.8	18.6	17.6	19.2	24.1	30.6	38.0	40.8	42.0	42.7
70°	28.0	21.8	15.9	14.9	15.7	18.4	25.9	31.6	29.8	30.0	29.6
72.5°	22.5	17.3	13.7	13.1	13.1	12.7	13.7	17.1	19.4	20.4	20.4
75°	15.7	12.2	10.4	9.6	7.6	6.1	5.5	5.5	4.9	4.7	4.5
77.5°	5.3	4.5	4.1	3.3	2.2	1.8	1.6	1.4	1.0	0.6	0.4
80°	0.8	0.6	0.4	0.4	0.4	0.2	0.2	0.2	0.0	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.2	0.2	0.2	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)