

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: P629063

Luminaire Tested: GWS-SA1A-830-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-830-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 1464.1 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

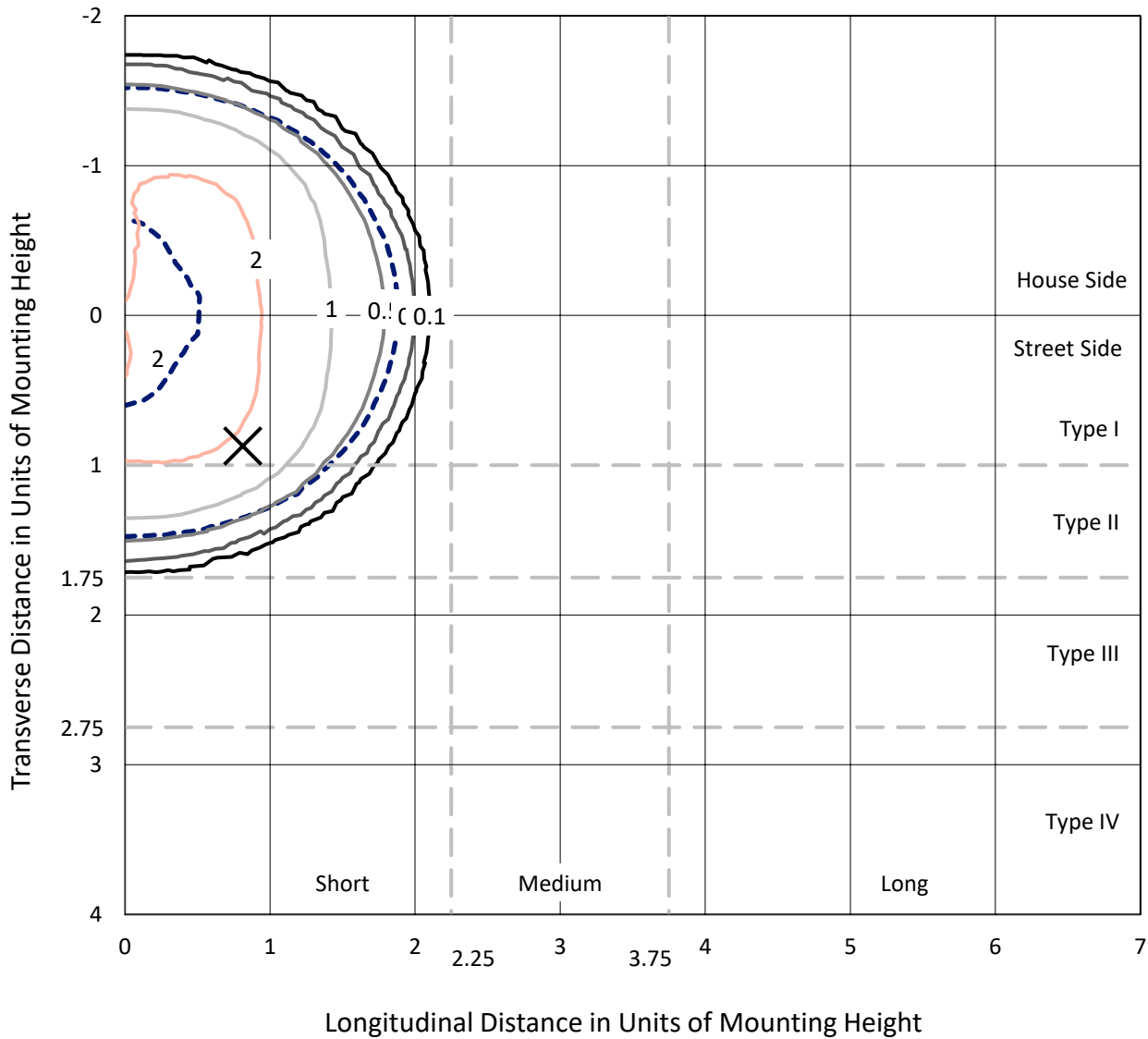
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629063
 CATALOG NUMBER: GWS-SA1A-830-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

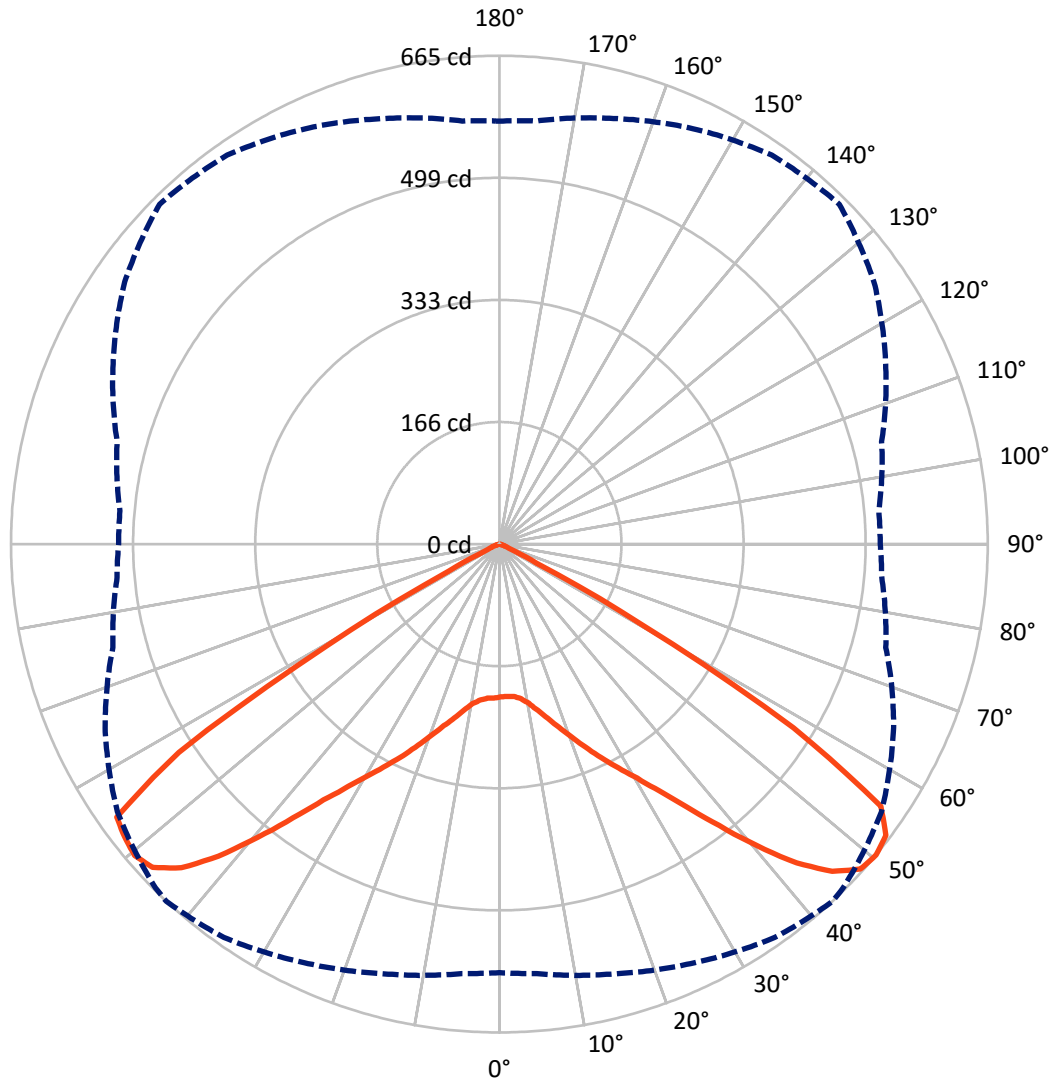
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P629063
CATALOG NUMBER: GWS-SA1A-830-U-RW-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P629063
 CATALOG NUMBER: GWS-SA1A-830-U-RW-W-GRSBK

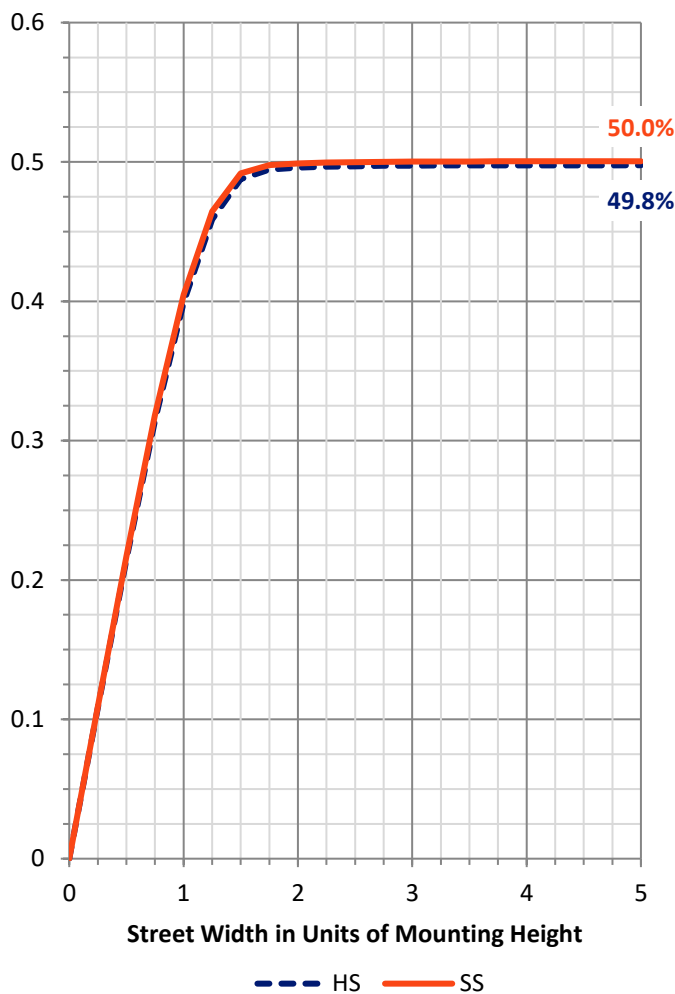
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	732.0	0.0	732.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	732.1	0.0	732.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	1464.1	0.0	1464.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	1.4
10°-20°	70.6	4.8
20°-30°	142.8	9.8
30°-40°	264.9	18.1
40°-50°	439.7	30.0
50°-60°	448.8	30.7
60°-70°	73.6	5.0
70°-80°	3.2	0.2
80°-90°	0.1	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°	1464.1	100.0
0°-180°	1464.1	100.0

Coefficient of Utilization



REPORT NUMBER: P629063

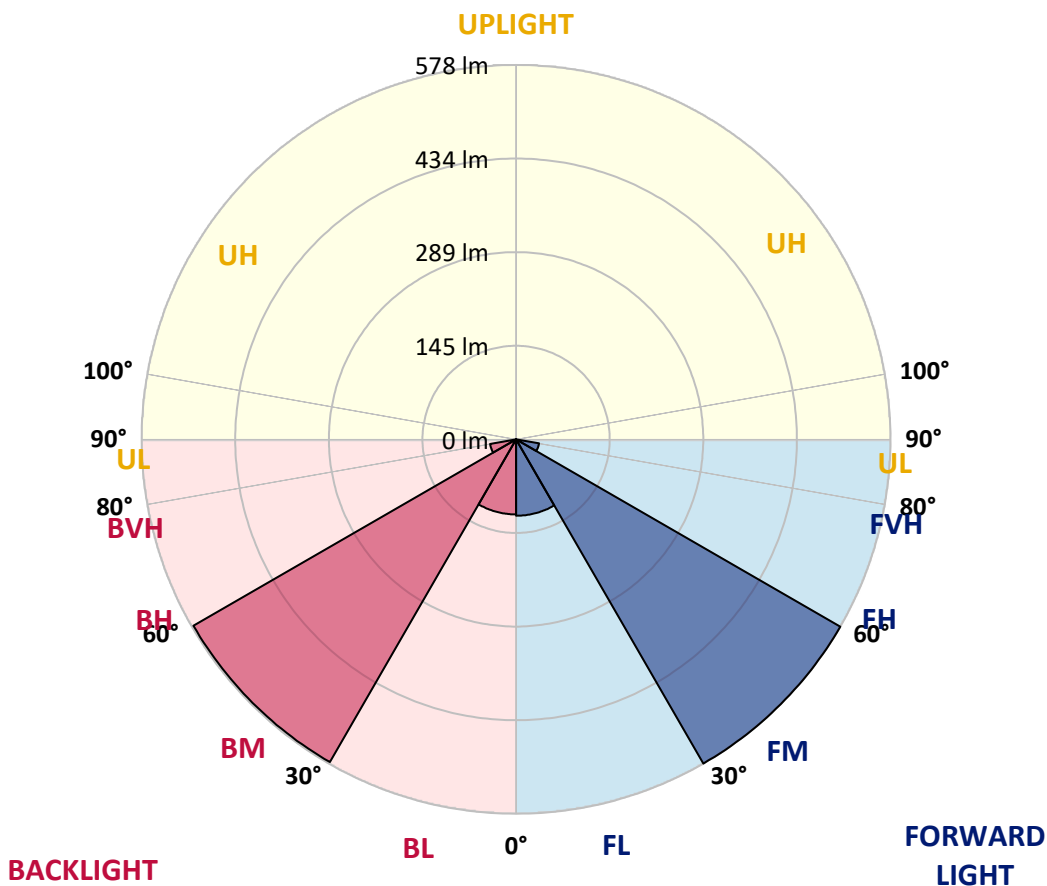
CATALOG NUMBER: GWS-SA1A-830-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.0	8.1			
FM (30°-60°)	578.1	39.5			
FH (60°-80°)	36.0	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	115.9	7.9	B1/500		
BM (30°-60°)	575.3	39.3	B1/1000		
BH (60°-80°)	40.8	2.8	B0/110		G0/660
BVH (80°-90°)	0.0	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 V Short





REPORT NUMBER: P629063

CATALOG NUMBER: GWS-SA1A-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	208.2	208.2	208.2	208.2	208.2	208.2	208.2	208.2	208.2	208.2	208.2
2.5°	204.4	204.8	205.5	206.1	206.9	207.8	208.2	209.7	209.4	210.7	210.7
5°	202.1	202.6	203.4	204.8	206.6	208.4	209.7	212.6	214.2	216.8	217.8
7.5°	203.2	203.9	204.8	207.1	209.9	212.6	214.1	218.8	222.0	226.9	229.6
10°	206.9	207.6	209.2	213.1	216.7	220.6	222.3	228.3	233.5	240.1	244.0
12.5°	211.2	212.0	215.2	221.0	227.2	232.4	234.8	241.4	246.8	254.2	260.4
15°	215.5	216.8	221.8	230.4	239.2	246.1	248.7	255.9	261.2	269.1	276.1
17.5°	225.7	227.2	232.9	242.1	254.1	262.2	264.4	271.9	275.9	281.3	288.6
20°	238.5	241.3	248.2	259.4	272.5	280.3	281.9	289.2	288.9	291.2	297.5
22.5°	254.4	256.3	263.9	277.2	292.0	300.5	304.3	307.3	303.3	301.4	305.4
25°	270.9	273.2	281.4	296.0	312.5	322.4	325.5	327.9	321.4	314.1	314.6
27.5°	292.3	293.9	302.0	317.5	334.1	345.2	348.0	352.2	343.6	332.0	328.7
30°	317.7	319.3	327.9	344.3	360.6	370.2	374.4	379.6	370.2	355.6	351.9
32.5°	347.5	349.1	360.1	377.0	390.4	400.8	404.8	410.3	402.9	386.5	382.3
35°	383.1	384.1	397.1	415.4	429.6	439.6	442.4	448.9	440.6	424.3	422.0
37.5°	424.4	425.6	439.6	460.9	475.4	486.6	491.0	492.8	482.7	464.4	462.6
40°	469.8	473.5	487.3	510.1	526.4	540.5	544.4	538.4	524.3	499.4	496.2
42.5°	517.1	520.3	535.7	560.4	579.4	593.8	594.0	581.0	557.0	522.6	517.7
45°	556.4	557.7	577.6	602.6	625.9	636.1	637.0	613.6	577.5	536.0	525.6
47.5°	583.4	585.5	602.9	626.8	652.6	661.8	659.9	630.6	587.2	544.7	527.6
50°	583.8	587.3	606.1	629.3	654.2	665.4	662.6	635.4	592.7	545.1	522.9
52.5°	532.1	537.9	568.5	602.1	640.3	659.4	660.0	641.7	590.6	539.9	518.7
55°	401.4	407.7	446.3	503.4	577.3	630.6	639.8	634.3	588.1	542.1	526.1
57.5°	212.5	207.6	229.0	285.6	378.4	472.7	499.7	543.8	561.1	544.9	539.9
60°	46.3	49.4	65.7	88.6	147.7	222.3	248.7	324.2	413.9	453.7	482.6
62.5°	19.9	19.6	20.4	23.2	33.8	56.4	68.8	112.4	177.3	243.5	288.4
65°	16.4	16.5	17.2	17.2	16.0	16.2	17.0	25.7	41.5	58.1	78.1
67.5°	12.3	12.5	13.6	13.9	13.1	11.7	11.5	9.7	10.2	12.8	13.3
70°	7.8	7.8	8.4	8.7	8.7	8.1	7.9	7.0	6.8	7.8	8.7
72.5°	4.2	4.2	4.5	4.7	4.5	4.4	4.4	4.2	4.0	4.7	6.0
75°	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	2.1	3.2
77.5°	0.3	0.5	0.6	0.5	0.3	0.3	0.3	0.5	0.5	0.6	1.0
80°	0.2	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P629063
 CATALOG NUMBER: GWS-SA1A-830-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	208.2	208.2	208.2	208.2	208.2	208.2	208.2	208.2	208.2	208.2	208.2
2.5°	211.8	210.0	210.7	211.0	210.5	210.2	208.4	207.9	207.1	205.8	205.5
5°	218.9	217.5	217.3	216.3	214.1	211.3	207.9	206.5	204.8	203.2	202.9
7.5°	230.9	229.1	228.0	224.8	219.6	215.2	209.5	206.5	204.4	202.3	201.8
10°	246.3	244.2	241.0	235.0	228.0	221.7	215.0	211.0	207.8	204.8	204.7
12.5°	262.7	260.4	254.6	246.9	238.5	232.7	224.3	218.6	213.8	209.4	208.9
15°	279.8	277.1	269.1	260.1	252.3	246.3	237.1	228.0	220.6	214.2	213.6
17.5°	292.9	289.5	280.1	273.3	267.0	260.9	250.5	238.5	228.6	221.0	219.3
20°	301.2	298.0	289.0	285.3	282.4	278.0	265.7	253.3	242.3	232.9	231.2
22.5°	309.1	305.2	297.5	297.5	299.7	298.0	284.7	270.4	257.5	246.6	244.2
25°	318.0	315.0	309.5	314.0	319.7	319.5	305.9	288.1	273.2	261.0	258.6
27.5°	331.0	327.9	326.0	334.6	341.7	341.2	326.3	307.0	291.3	279.3	277.1
30°	353.8	350.9	348.8	359.2	368.2	364.8	348.5	329.9	314.0	300.4	298.8
32.5°	384.3	381.2	378.4	388.8	396.9	392.5	377.0	359.5	341.2	327.9	324.7
35°	424.3	417.8	415.0	427.3	430.7	425.9	411.0	395.6	376.2	360.9	358.8
37.5°	465.6	457.9	456.0	466.7	472.2	470.4	452.9	436.9	415.8	399.0	396.6
40°	500.9	493.9	490.5	507.2	519.6	520.8	505.1	485.5	460.7	443.2	438.8
42.5°	521.6	515.6	514.8	540.7	561.1	575.7	556.9	536.6	510.6	490.8	487.3
45°	526.3	522.4	529.2	563.2	594.9	621.5	605.5	584.1	555.9	535.0	531.6
47.5°	525.8	524.5	536.6	574.9	615.0	647.7	639.8	615.7	588.5	566.6	563.4
50°	518.8	519.0	539.2	580.7	623.1	654.9	646.9	624.6	600.3	578.7	576.2
52.5°	516.1	515.1	534.4	578.9	631.4	651.6	633.8	608.7	581.7	555.1	551.2
55°	525.8	523.4	535.0	577.5	632.3	649.8	602.9	548.5	493.1	461.7	459.1
57.5°	540.4	537.8	543.3	566.8	581.7	540.4	443.7	355.9	298.9	274.8	264.3
60°	482.6	480.8	476.6	448.2	384.4	290.0	197.6	126.0	90.5	73.2	73.2
62.5°	299.4	297.0	274.2	203.7	148.0	85.7	47.1	29.5	22.3	20.9	20.7
65°	84.0	83.6	69.1	48.9	31.1	19.3	17.0	17.3	17.0	16.5	16.4
67.5°	12.6	13.9	13.9	11.3	10.8	12.1	14.3	15.2	14.4	13.6	13.3
70°	8.1	8.7	8.4	7.3	7.8	9.1	10.2	10.4	9.9	9.1	8.9
72.5°	5.7	6.3	5.2	4.7	4.9	5.3	5.8	5.8	5.7	5.3	5.0
75°	3.4	3.4	2.4	2.3	2.3	2.4	2.4	2.8	2.8	2.6	2.4
77.5°	1.1	1.3	0.8	0.6	0.6	0.6	0.8	1.0	1.0	0.8	0.6
80°	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2
82.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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)