

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: P629565

Luminaire Tested: GWS-SA1B-830-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-830-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR 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: 1665.3 lumens
Efficiency: N/A
Efficacy: 66.6 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

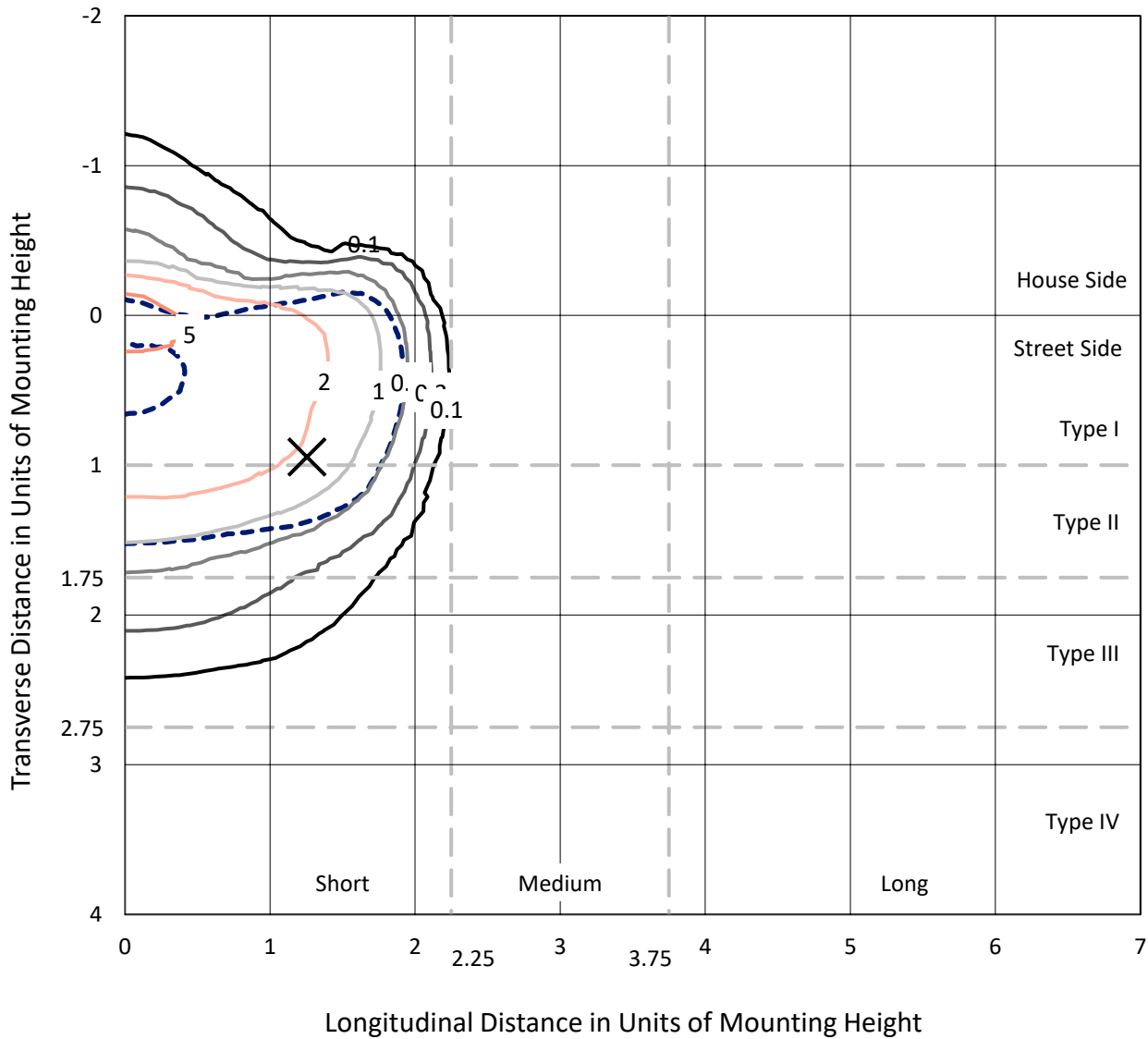
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

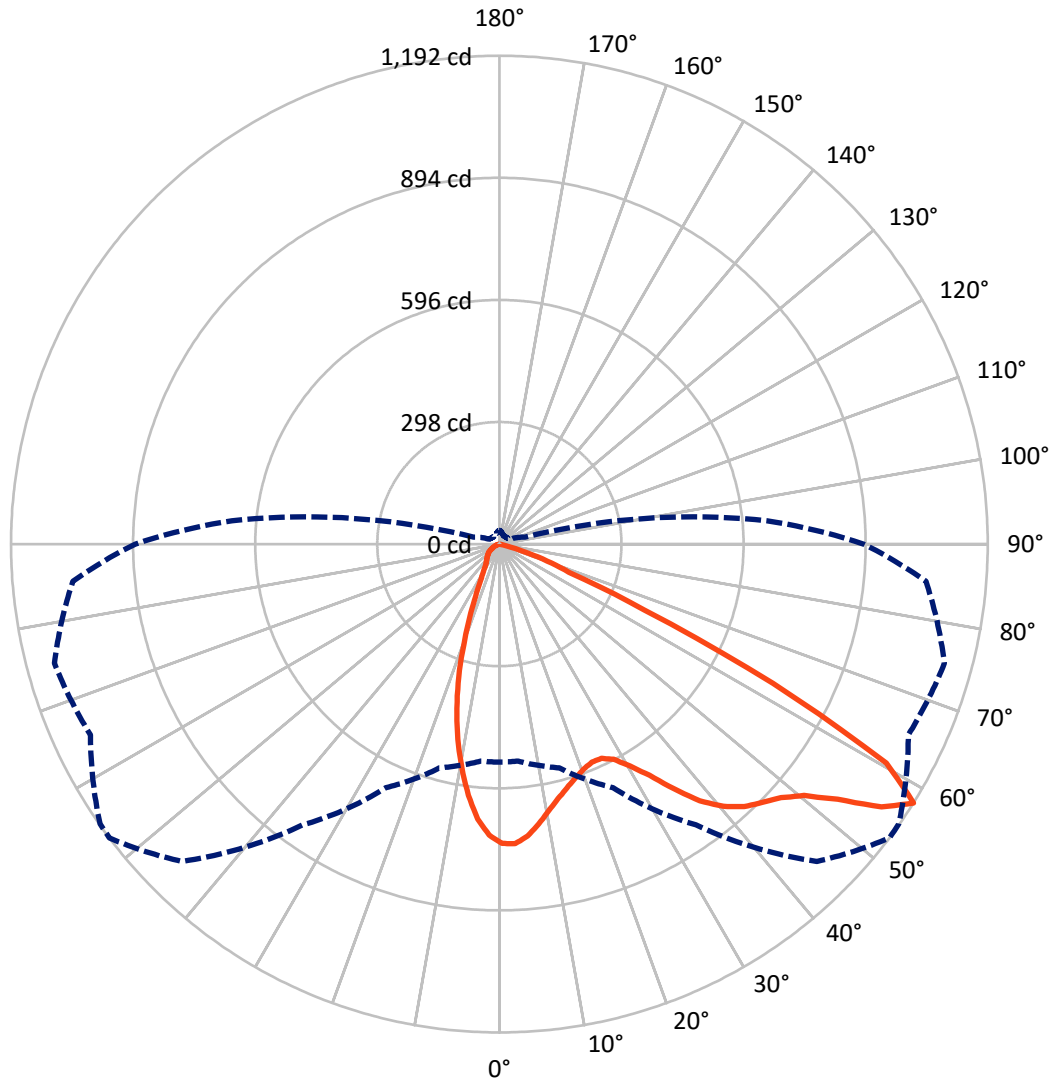
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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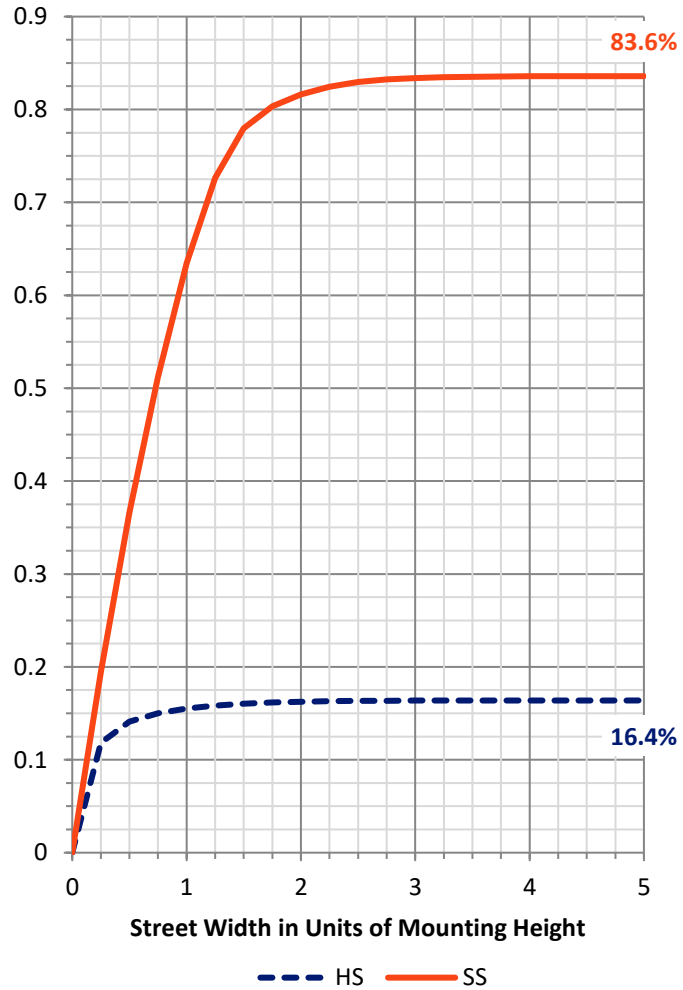
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	275.1	0.0	275.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	1390.2	0.0	1390.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	1665.3	0.0	1665.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	3.8
10°-20°	137.2	8.2
20°-30°	178.8	10.7
30°-40°	259.3	15.6
40°-50°	374.1	22.5
50°-60°	452.5	27.2
60°-70°	184.4	11.1
70°-80°	16.6	1.0
80°-90°	0.0	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°	1665.3	100.0
0°-180°	1665.3	100.0

Coefficient of Utilization



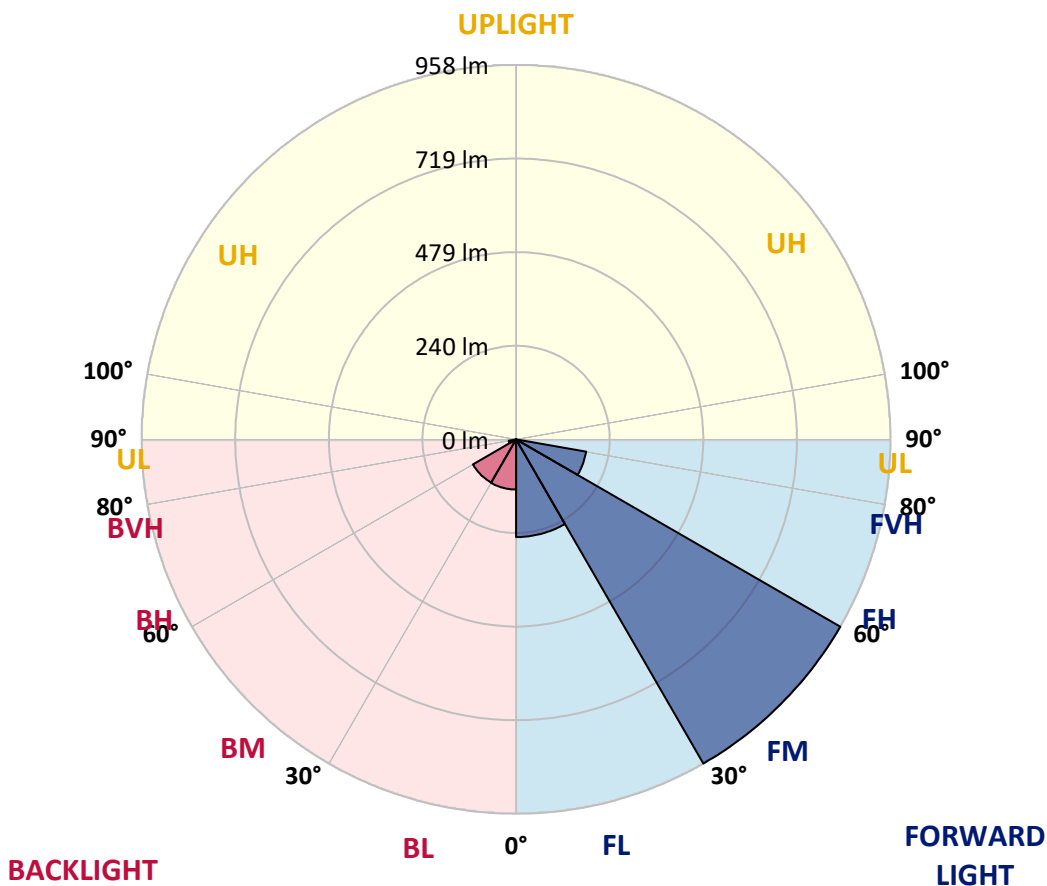
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	250.1	15.0			
FM (30°-60°)	958.2	57.5			
FH (60°-80°)	182.0	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	128.4	7.7	B1/500		
BM (30°-60°)	127.7	7.7	B0/220		
BH (60°-80°)	19.0	1.1	B0/110		G0/110
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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5
2.5°	720.3	721.9	724.8	728.5	730.9	732.1	732.1	735.6	733.4	731.5	729.5
5°	689.5	691.1	695.0	700.9	706.8	711.1	716.0	719.7	721.1	721.1	717.6
7.5°	646.0	648.2	650.7	658.9	671.7	681.3	689.7	695.0	702.7	705.2	700.3
10°	599.3	601.5	607.0	618.2	632.9	647.2	661.5	668.2	681.5	688.4	682.9
12.5°	559.7	560.7	568.0	581.5	600.3	619.9	637.2	644.2	662.9	673.3	666.8
15°	527.0	527.6	535.0	549.9	571.5	595.6	617.4	624.6	647.6	663.3	653.5
17.5°	502.3	502.5	508.8	525.0	547.6	574.4	600.3	609.1	638.9	657.8	643.1
20°	489.9	489.2	493.7	507.8	529.2	556.0	586.6	597.4	634.0	657.0	635.2
22.5°	490.1	488.6	490.5	500.5	518.6	543.7	578.0	590.3	634.4	660.5	628.4
25°	501.7	499.7	500.1	505.4	518.2	541.1	579.3	592.3	642.5	672.1	626.0
27.5°	521.3	519.0	519.0	521.7	528.6	549.5	594.6	609.5	664.4	694.8	631.1
30°	546.6	544.4	543.5	546.2	551.9	571.1	628.6	644.2	701.7	731.9	647.4
32.5°	575.6	572.9	574.4	578.0	583.5	610.1	672.5	693.1	748.5	781.9	676.8
35°	606.2	603.9	610.5	618.4	627.0	664.2	733.1	751.1	805.8	844.2	721.7
37.5°	635.4	634.4	648.0	664.8	682.5	729.1	794.8	808.7	855.0	911.9	776.6
40°	664.6	664.4	687.8	717.2	745.6	793.8	841.5	853.0	885.0	964.6	829.3
42.5°	697.2	697.2	729.7	768.9	806.6	848.5	875.8	880.9	898.5	995.0	868.9
45°	728.5	730.3	767.8	813.4	858.1	891.1	899.5	899.9	904.0	1013.0	901.7
47.5°	753.2	754.8	799.7	852.1	900.3	923.6	924.8	923.0	918.5	1030.1	927.0
50°	773.2	775.6	822.5	878.1	929.3	954.8	964.2	962.4	950.9	1048.5	944.8
52.5°	783.0	786.4	830.5	890.9	961.5	1008.3	1034.4	1038.7	999.5	1058.7	961.7
55°	704.6	709.7	750.3	833.0	979.5	1090.9	1132.0	1131.2	1052.2	1089.1	1003.0
57.5°	532.1	531.7	565.4	655.8	836.6	1095.6	1192.0	1190.3	1101.4	1124.4	1045.2
60°	362.3	359.8	368.8	412.5	585.0	892.6	1084.8	1106.9	1066.5	1038.7	887.5
62.5°	298.2	296.0	293.1	281.1	336.0	556.0	749.5	783.0	777.6	721.9	556.6
65°	244.1	245.9	253.9	248.8	233.7	285.1	389.0	408.8	373.7	314.5	194.5
67.5°	180.0	180.8	191.2	218.2	210.0	189.8	183.1	186.3	109.2	50.2	32.5
70°	106.3	107.0	116.5	152.7	170.4	145.7	123.7	121.9	43.3	13.5	14.7
72.5°	60.2	59.0	60.8	72.7	92.9	77.4	63.7	58.0	13.1	7.6	7.6
75°	28.6	27.8	23.9	22.5	20.4	13.1	8.2	6.9	3.3	3.1	3.1
77.5°	0.2	0.6	0.4	0.6	0.6	0.4	0.2	0.2	0.6	0.6	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5	730.5
2.5°	725.8	719.7	718.2	717.8	712.1	706.0	699.7	697.2	693.6	691.3	693.1
5°	712.1	703.3	695.6	688.4	675.8	661.9	649.9	642.1	634.8	629.9	631.1
7.5°	692.7	681.3	663.5	645.4	622.1	601.3	578.0	563.7	550.5	543.1	546.6
10°	672.1	657.0	628.6	597.8	561.3	528.6	495.4	468.2	452.5	437.6	439.2
12.5°	651.9	631.9	589.5	542.7	496.6	448.4	398.2	360.7	334.9	316.4	313.5
15°	633.1	607.4	551.3	489.7	426.8	362.7	298.6	244.9	215.1	196.8	195.5
17.5°	616.4	584.6	511.7	434.1	355.3	273.3	199.6	159.4	142.3	134.3	133.5
20°	600.3	561.5	471.3	377.8	277.4	191.9	137.8	119.2	113.7	110.4	110.8
22.5°	584.8	536.4	428.8	315.3	208.0	134.7	106.7	99.6	99.0	99.4	99.6
25°	571.7	513.3	385.1	255.1	148.4	102.7	89.2	87.2	89.0	91.6	92.1
27.5°	565.0	494.5	342.5	194.5	107.4	83.5	77.4	78.2	81.4	84.3	84.7
30°	566.8	480.5	298.4	141.0	82.7	70.4	68.4	70.0	73.3	75.9	76.3
32.5°	579.9	473.3	253.3	102.7	68.0	61.4	60.6	61.8	64.7	66.7	66.9
35°	605.8	475.0	210.4	78.6	58.4	54.7	54.5	55.3	56.7	58.2	58.4
37.5°	644.0	488.2	168.2	65.3	52.9	50.2	49.4	49.4	50.4	51.0	51.4
40°	685.0	508.2	134.7	57.8	49.0	46.1	44.5	43.9	44.7	45.5	45.7
42.5°	718.9	528.2	109.4	52.5	45.9	42.0	40.0	39.6	40.6	42.0	42.5
45°	744.8	543.7	91.2	48.2	42.5	38.2	35.9	35.9	37.8	40.2	40.6
47.5°	768.5	556.2	77.8	44.3	39.2	34.7	32.5	32.9	35.9	39.2	39.8
50°	784.6	566.2	67.8	40.8	36.5	31.8	29.8	30.6	34.3	38.2	38.8
52.5°	801.9	578.4	61.2	37.8	34.1	29.6	27.8	28.4	32.5	36.7	37.6
55°	849.9	619.5	61.0	33.7	29.8	26.5	25.7	25.9	30.0	34.9	35.9
57.5°	889.1	655.6	65.1	28.4	24.9	23.3	22.9	23.1	26.7	32.2	33.5
60°	735.6	509.4	53.9	23.5	20.8	20.4	19.8	20.2	23.7	28.6	29.6
62.5°	435.4	291.3	25.7	18.0	17.8	17.3	16.7	17.6	20.8	25.1	25.7
65°	148.8	86.3	16.3	14.7	15.1	14.5	13.9	14.7	17.6	20.0	20.2
67.5°	28.6	22.9	13.1	12.2	12.5	11.2	11.0	11.8	13.5	13.9	13.7
70°	14.9	13.3	10.0	10.0	9.6	8.0	8.0	8.8	8.8	8.2	8.0
72.5°	7.8	7.3	6.5	7.3	6.1	4.9	4.9	5.3	4.9	4.1	4.1
75°	3.1	3.1	2.9	3.7	2.7	2.2	2.0	2.4	1.8	1.4	1.4
77.5°	0.8	0.8	0.8	1.0	0.6	0.6	0.4	0.4	0.2	0.0	0.0
80°	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)