

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: P632063

Luminaire Tested: GWS-SA2B-830-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632063
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-SA2B-830-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4024.8 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

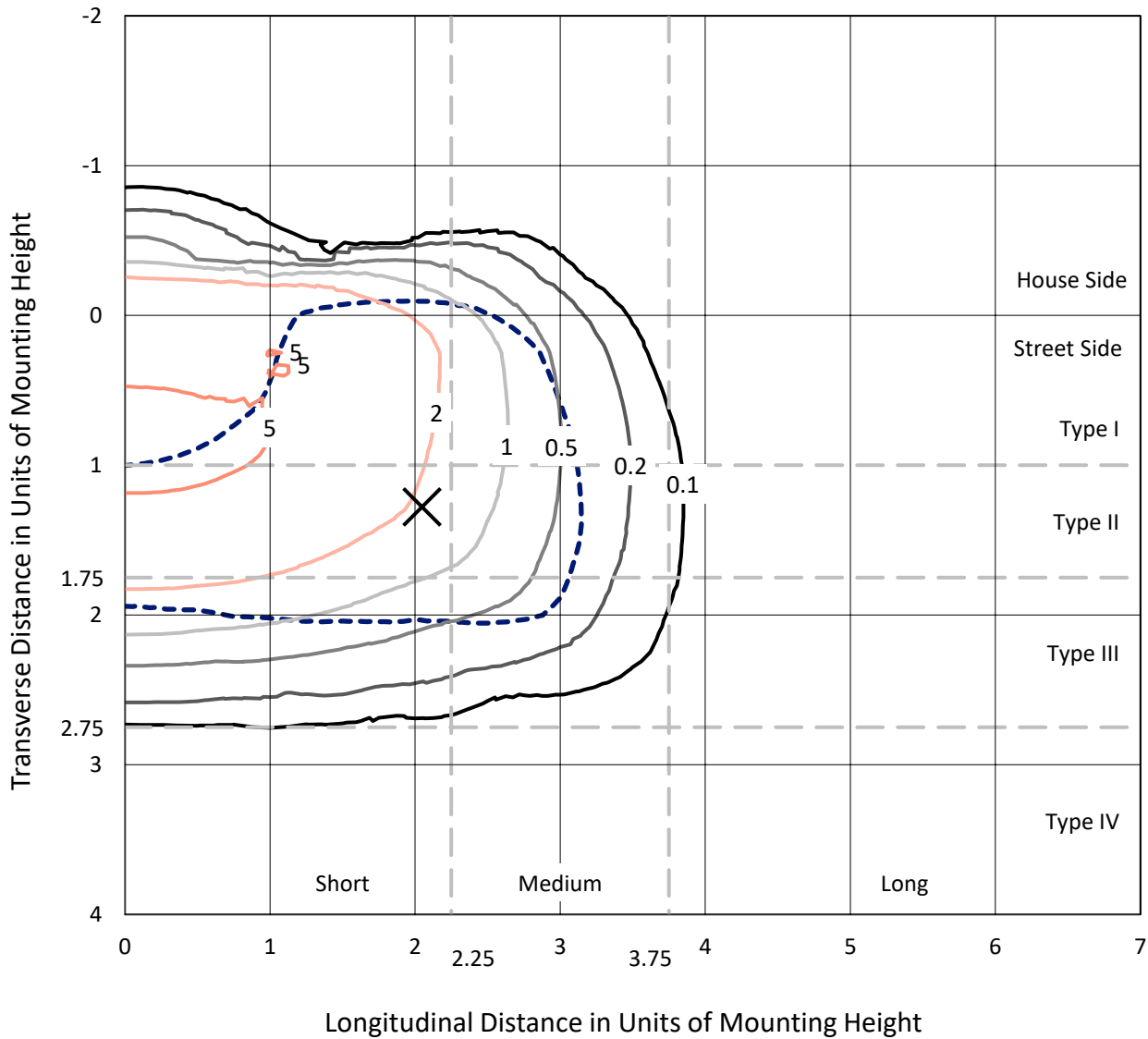
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

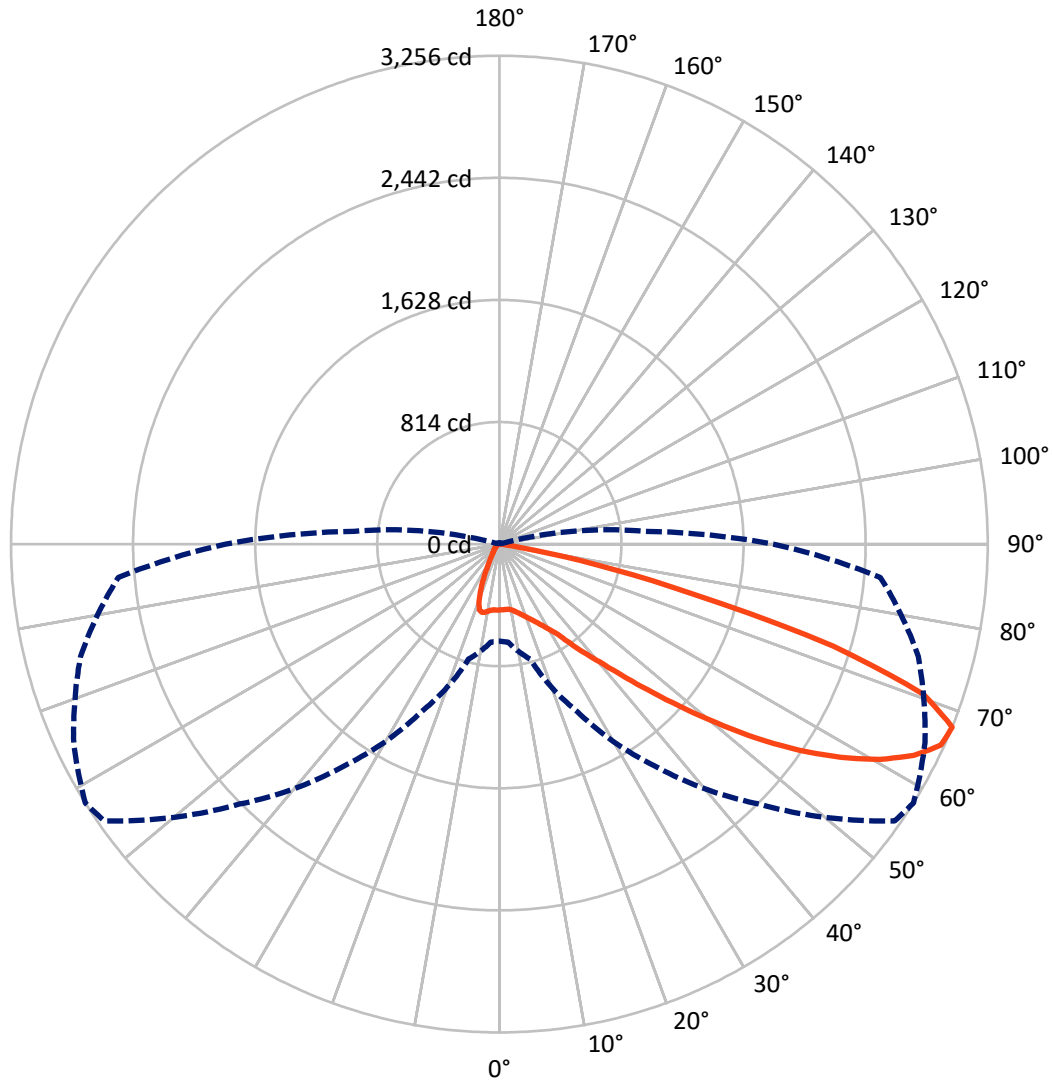
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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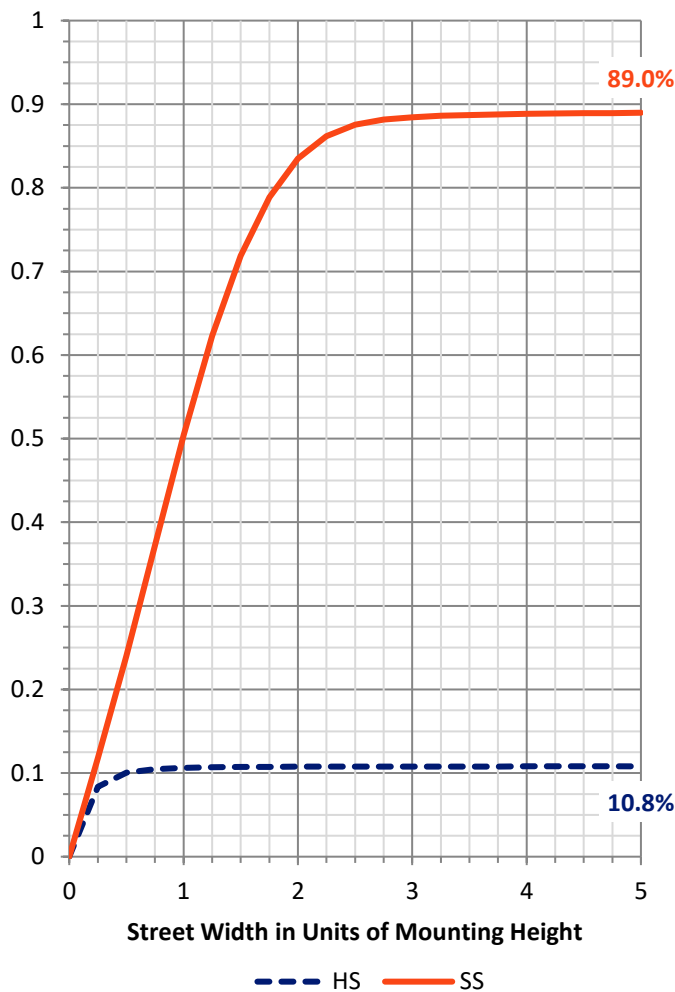
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	439.1	0.0	439.1
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	3585.7	0.0	3585.7
	% Fixture	89.1	0.0	89.1
Total	Lumens	4024.8	0.0	4024.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	1.0
10°-20°	115.7	2.9
20°-30°	201.9	5.0
30°-40°	360.6	9.0
40°-50°	659.1	16.4
50°-60°	1096.2	27.2
60°-70°	1190.6	29.6
70°-80°	349.6	8.7
80°-90°	10.0	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°	4024.8	100.0
0°-180°	4024.8	100.0

Coefficient of Utilization



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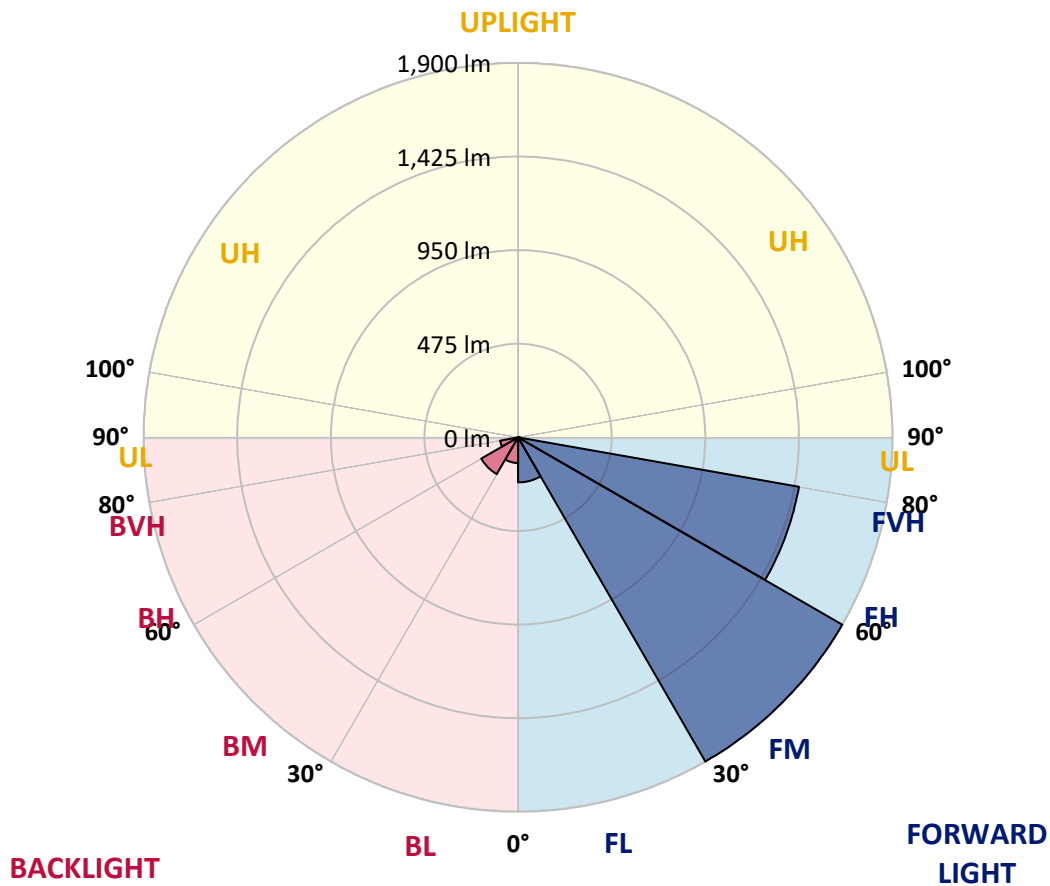
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.5	5.7			
FM (30°-60°)	1900.2	47.2			
FH (60°-80°)	1447.5	36.0			G1/1800
FVH (80°-90°)	9.5	0.2			G0/10
BL (0°-30°)	130.2	3.2	B1/500		
BM (30°-60°)	215.7	5.4	B0/220		
BH (60°-80°)	92.7	2.3	B0/110		G0/110
BVH (80°-90°)	0.5	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6
2.5°	430.3	429.5	429.5	432.7	433.1	434.7	438.2	438.6	440.5	439.8	437.0
5°	407.9	408.3	410.7	416.2	420.9	426.8	435.4	437.4	441.7	444.1	442.5
7.5°	387.1	387.5	391.0	399.7	408.7	420.5	434.7	438.6	447.2	453.5	453.9
10°	379.2	378.8	382.4	392.2	404.0	420.5	440.9	446.0	459.0	470.0	472.0
12.5°	381.6	381.2	384.7	393.8	406.8	427.6	451.9	459.0	475.5	492.4	496.0
15°	391.0	390.6	393.0	400.5	414.6	436.2	466.1	476.7	497.5	518.0	523.5
17.5°	419.3	417.4	415.0	415.8	424.0	446.4	484.2	497.1	523.1	547.4	552.2
20°	469.6	464.5	458.2	450.0	446.0	461.4	505.0	519.9	551.4	579.3	580.1
22.5°	545.5	543.5	529.0	505.0	488.1	488.5	529.4	546.7	585.2	615.8	611.5
25°	651.2	650.0	627.6	588.3	544.3	529.4	560.4	578.1	625.3	657.9	644.1
27.5°	782.5	774.2	747.9	694.8	629.2	582.4	599.7	615.4	667.7	698.4	672.4
30°	896.8	897.2	872.4	817.0	743.2	662.2	647.7	661.4	706.6	738.8	707.4
32.5°	1006.9	1010.4	983.3	933.4	852.4	766.3	716.4	718.8	756.5	791.5	753.4
35°	1109.0	1111.8	1092.9	1050.5	975.0	875.2	812.3	811.1	831.6	867.3	817.4
37.5°	1223.4	1226.1	1207.7	1169.6	1098.8	999.8	921.2	919.6	927.9	956.9	900.0
40°	1345.2	1350.3	1329.9	1297.7	1230.1	1146.4	1047.7	1033.6	1025.3	1059.5	1006.9
42.5°	1468.6	1476.5	1469.4	1437.2	1379.4	1310.2	1212.0	1190.0	1172.3	1215.1	1159.3
45°	1621.9	1631.3	1628.2	1603.4	1558.6	1502.4	1409.7	1384.1	1375.9	1415.6	1349.2
47.5°	1769.3	1779.5	1790.9	1785.4	1753.5	1727.6	1624.6	1610.1	1607.7	1650.2	1547.2
50°	1878.9	1888.3	1932.0	1963.4	1985.0	1979.5	1890.3	1868.7	1865.2	1892.3	1756.3
52.5°	1957.5	1966.5	2026.7	2124.9	2204.3	2247.5	2157.5	2152.8	2133.6	2124.1	1952.0
55°	2018.4	2031.0	2094.3	2242.8	2402.8	2498.7	2442.5	2425.6	2376.1	2321.8	2133.6
57.5°	2030.6	2035.7	2124.9	2325.4	2556.8	2712.1	2712.1	2682.6	2587.1	2512.0	2343.4
60°	1921.4	1937.1	2057.7	2318.7	2622.9	2851.6	2935.7	2915.2	2786.3	2694.0	2545.4
62.5°	1678.9	1696.6	1843.5	2158.7	2556.8	2880.3	3105.1	3101.9	2956.5	2844.5	2712.8
65°	1287.5	1300.4	1428.5	1805.8	2277.8	2769.8	3226.1	3234.7	3090.9	2943.9	2770.6
67.5°	646.9	655.9	794.2	1233.6	1805.4	2451.9	3217.8	3256.4	3131.8	2891.3	2550.1
70°	226.0	235.0	300.2	529.4	1098.8	1872.2	2939.6	3002.5	2891.7	2468.0	1881.3
72.5°	77.4	81.7	124.6	196.5	427.6	1109.8	2235.4	2330.1	2131.6	1656.9	1081.1
75°	44.0	46.8	66.8	106.5	179.2	365.1	1268.2	1326.4	1242.7	903.1	444.9
77.5°	29.9	32.2	41.7	60.5	99.0	117.5	517.2	651.2	567.9	294.7	113.6
80°	17.7	19.3	25.5	35.8	50.7	45.6	110.8	147.4	189.8	88.0	34.2
82.5°	8.3	9.4	16.5	23.6	25.5	19.3	32.6	39.7	53.4	43.2	14.1
85°	0.0	0.0	5.5	9.8	9.4	5.5	9.0	9.8	14.5	21.6	5.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	2.4	4.3	2.4
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°	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6	438.6
2.5°	440.2	437.4	440.5	439.0	440.5	440.2	437.0	435.0	435.0	431.5	430.3
5°	445.7	442.9	443.7	440.2	439.4	437.4	433.5	431.9	431.9	428.4	427.2
7.5°	457.8	453.5	452.7	445.7	442.5	437.0	429.9	427.2	426.8	423.3	422.1
10°	477.1	472.0	468.5	459.4	450.4	439.4	424.4	411.9	404.8	395.4	394.6
12.5°	500.7	494.4	488.9	475.1	460.2	435.4	391.4	345.4	317.1	294.7	296.3
15°	527.0	521.1	512.5	491.6	461.0	396.5	304.6	233.8	199.2	180.8	180.0
17.5°	555.7	547.0	532.9	504.6	436.2	303.0	198.1	139.9	121.8	115.5	114.0
20°	582.4	571.8	554.1	507.4	364.7	205.1	123.8	108.5	105.3	103.4	103.4
22.5°	610.7	597.4	571.0	486.1	271.2	131.3	105.3	101.8	99.4	96.7	96.3
25°	639.4	622.1	586.3	430.7	177.6	103.4	98.6	94.7	90.4	86.1	84.9
27.5°	663.8	641.4	598.1	348.2	114.0	93.1	90.0	83.3	77.4	72.7	71.9
30°	692.9	664.2	603.2	254.7	89.6	82.1	77.4	70.3	63.3	58.6	57.0
32.5°	731.8	700.3	595.4	165.8	79.4	72.3	64.8	56.6	49.5	44.4	43.6
35°	792.3	754.9	559.2	105.7	71.9	62.5	53.4	44.8	38.9	35.0	34.2
37.5°	866.2	831.6	499.9	79.4	64.5	54.2	43.6	35.4	31.0	28.3	27.5
40°	975.8	927.5	426.4	69.6	57.0	46.0	35.8	29.1	25.9	23.6	22.8
42.5°	1118.1	1040.7	341.9	63.3	49.9	38.5	29.1	24.0	21.2	19.6	19.3
45°	1284.3	1151.1	252.7	57.0	43.2	31.8	24.0	19.6	17.7	16.5	16.1
47.5°	1454.5	1247.8	174.5	50.3	36.9	26.3	20.0	16.9	15.3	13.8	13.4
50°	1636.0	1329.5	119.1	43.6	31.4	21.6	17.3	15.3	13.4	12.2	11.8
52.5°	1769.3	1359.8	82.9	37.7	26.7	18.5	15.3	13.8	12.2	10.6	10.2
55°	1892.3	1359.0	62.9	31.8	22.8	16.1	13.8	12.2	10.6	9.4	9.0
57.5°	2014.9	1348.4	49.5	27.1	19.6	14.5	12.2	10.6	9.8	8.3	7.9
60°	2094.3	1308.3	38.5	22.8	16.9	12.6	10.6	9.4	8.3	7.1	6.7
62.5°	2136.3	1252.5	29.5	18.1	13.8	11.0	9.4	8.3	7.1	5.9	5.5
65°	2079.3	1153.4	23.2	14.1	10.6	9.4	7.9	6.7	5.5	4.3	3.9
67.5°	1826.6	972.7	18.1	11.4	8.3	7.1	6.7	5.5	3.9	3.1	2.8
70°	1291.0	666.1	14.1	8.6	6.3	5.5	5.1	4.3	3.1	2.4	2.0
72.5°	708.6	336.0	10.2	6.3	4.7	4.3	3.9	3.5	2.8	2.0	2.0
75°	272.7	92.4	7.5	4.3	3.1	3.1	2.8	2.8	2.4	1.6	1.6
77.5°	71.1	27.5	4.7	2.8	2.0	2.0	2.0	1.6	1.6	1.2	1.2
80°	22.8	9.0	2.8	2.0	1.6	1.2	1.2	0.8	1.2	0.8	0.8
82.5°	7.5	3.1	1.6	1.6	1.2	0.8	0.8	0.4	0.4	0.0	0.0
85°	2.8	1.6	1.2	0.8	0.8	0.8	0.4	0.0	0.0	0.0	0.0
87.5°	1.6	0.8	0.8	0.8	0.8	0.4	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)