

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: P629620

Luminaire Tested: GWS-SA1C-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629620
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-SA1C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2070.8 lumens
Efficiency: N/A
Efficacy: 60.7 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

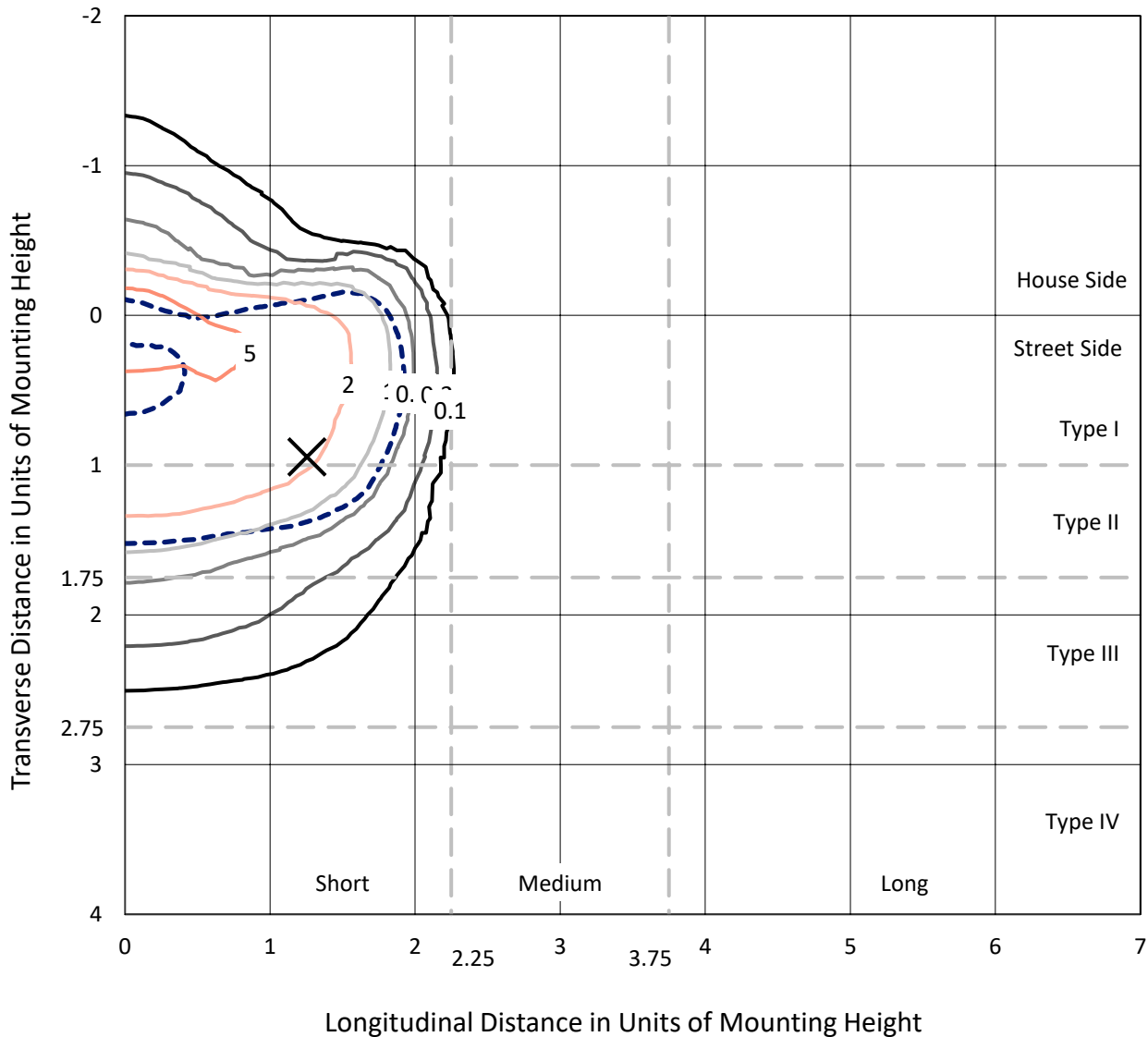
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

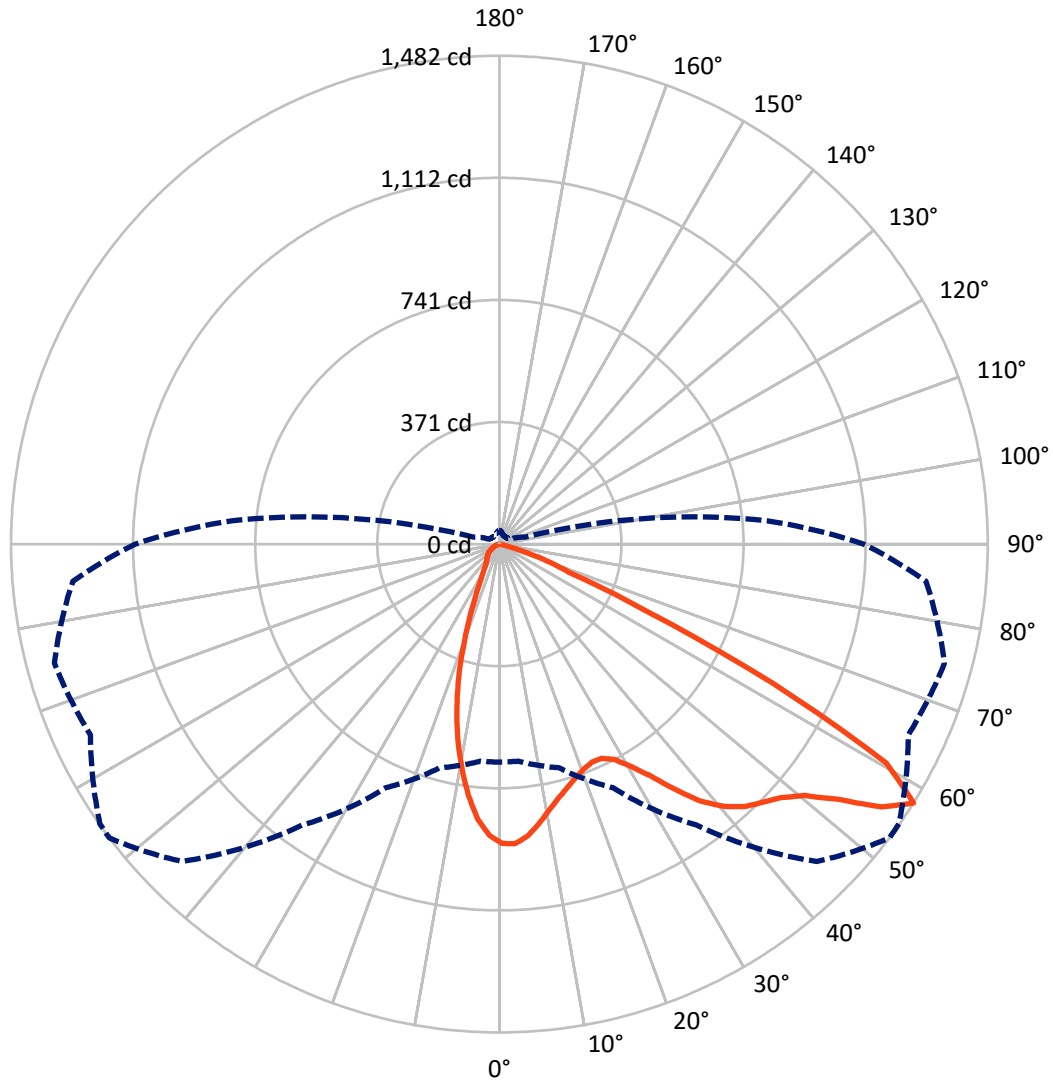
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 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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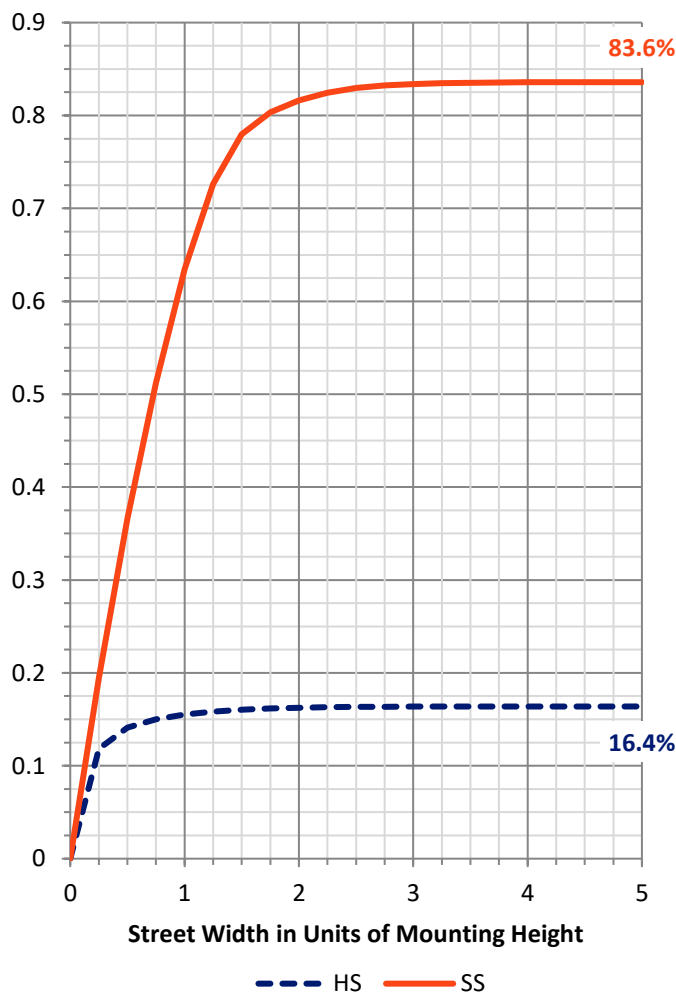
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	342.1	0.0	342.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	1728.7	0.0	1728.7
	% Fixture	83.5	0.0	83.5
Total	Lumens	2070.8	0.0	2070.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	3.8
10°-20°	170.6	8.2
20°-30°	222.3	10.7
30°-40°	322.4	15.6
40°-50°	465.2	22.5
50°-60°	562.6	27.2
60°-70°	229.3	11.1
70°-80°	20.6	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°	2070.8	100.0
0°-180°	2070.8	100.0

Coefficient of Utilization



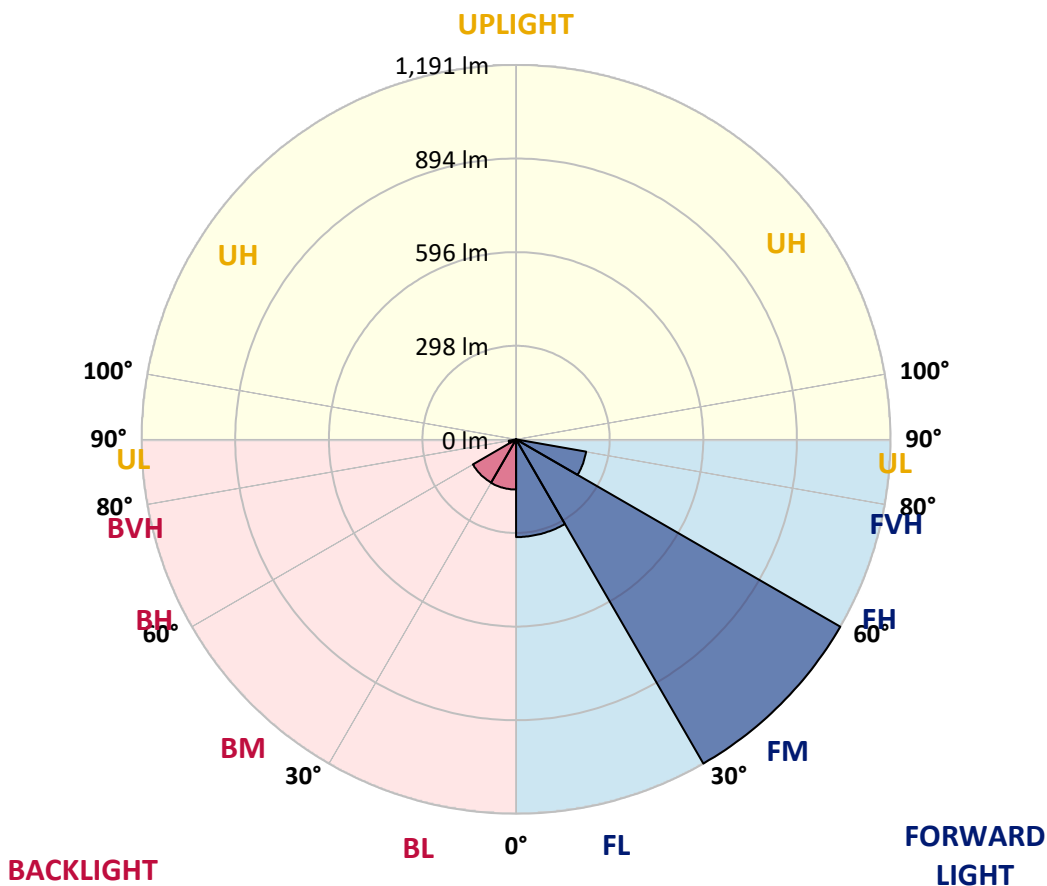
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	311.0	15.0			
FM (30°-60°)	1191.5	57.5			
FH (60°-80°)	226.3	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	159.6	7.7	B1/500		
BM (30°-60°)	158.8	7.7	B0/220		
BH (60°-80°)	23.6	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°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4
2.5°	895.7	897.7	901.3	905.8	908.9	910.4	910.4	914.7	911.9	909.6	907.1
5°	857.4	859.4	864.2	871.6	878.9	884.3	890.4	894.9	896.7	896.7	892.4
7.5°	803.3	806.1	809.1	819.3	835.3	847.2	857.6	864.2	873.9	876.9	870.8
10°	745.2	748.0	754.8	768.8	787.1	804.8	822.6	831.0	847.5	856.1	849.2
12.5°	695.9	697.2	706.3	723.1	746.4	770.8	792.4	801.0	824.4	837.3	829.2
15°	655.3	656.1	665.2	683.8	710.7	740.6	767.8	776.6	805.3	824.9	812.7
17.5°	624.6	624.9	632.7	652.8	681.0	714.2	746.4	757.4	794.4	818.0	799.7
20°	609.1	608.4	614.0	631.5	658.1	691.4	729.4	742.9	788.3	817.0	789.8
22.5°	609.4	607.6	609.9	622.3	644.9	676.1	718.8	734.0	788.8	821.3	781.5
25°	623.9	621.3	621.8	628.4	644.4	672.8	720.3	736.5	799.0	835.8	778.4
27.5°	648.2	645.4	645.4	648.7	657.4	683.2	739.3	757.9	826.1	864.0	784.8
30°	679.7	676.9	675.9	679.2	686.3	710.1	781.7	801.0	872.6	910.1	805.1
32.5°	715.7	712.4	714.2	718.8	725.6	758.6	836.3	861.9	930.7	972.3	841.6
35°	753.8	751.0	759.1	769.0	779.7	825.9	911.7	934.0	1002.0	1049.7	897.5
37.5°	790.1	788.8	805.8	826.6	848.7	906.6	988.3	1005.6	1063.2	1134.0	965.7
40°	826.4	826.1	855.3	891.9	927.2	987.1	1046.4	1060.7	1100.5	1199.5	1031.2
42.5°	867.0	867.0	907.4	956.1	1003.0	1055.1	1089.1	1095.4	1117.3	1237.3	1080.5
45°	905.8	908.1	954.8	1011.4	1067.0	1108.1	1118.5	1119.0	1124.1	1259.6	1121.3
47.5°	936.5	938.6	994.4	1059.6	1119.5	1148.5	1150.0	1147.7	1142.1	1281.0	1152.8
50°	961.4	964.5	1022.8	1091.9	1155.6	1187.3	1199.0	1196.7	1182.5	1303.8	1174.9
52.5°	973.6	977.9	1032.7	1107.9	1195.7	1253.8	1286.3	1291.6	1242.9	1316.5	1195.9
55°	876.1	882.5	933.0	1035.8	1218.0	1356.6	1407.6	1406.6	1308.4	1354.3	1247.2
57.5°	661.7	661.2	703.0	815.5	1040.3	1362.4	1482.2	1480.2	1369.5	1398.2	1299.7
60°	450.5	447.5	458.6	512.9	727.4	1109.9	1349.0	1376.4	1326.1	1291.6	1103.5
62.5°	370.8	368.0	364.5	349.5	417.8	691.4	932.0	973.6	967.0	897.7	692.1
65°	303.6	305.8	315.7	309.4	290.6	354.6	483.8	508.4	464.7	391.1	241.9
67.5°	223.9	224.9	237.8	271.3	261.2	236.0	227.7	231.7	135.8	62.4	40.4
70°	132.2	133.0	144.9	189.8	211.9	181.2	153.8	151.5	53.8	16.8	18.3
72.5°	74.9	73.3	75.6	90.4	115.5	96.2	79.2	72.1	16.2	9.4	9.4
75°	35.5	34.5	29.7	27.9	25.4	16.2	10.2	8.6	4.1	3.8	3.8
77.5°	0.3	0.8	0.5	0.8	0.8	0.5	0.3	0.3	0.8	0.8	1.0
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°	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4	908.4
2.5°	902.5	894.9	893.1	892.6	885.5	877.9	870.0	867.0	862.4	859.6	861.9
5°	885.5	874.6	865.0	856.1	840.4	823.1	808.1	798.5	789.3	783.2	784.8
7.5°	861.4	847.2	825.1	802.5	773.6	747.7	718.8	701.0	684.5	675.4	679.7
10°	835.8	817.0	781.7	743.4	698.0	657.4	616.0	582.2	562.7	544.2	546.2
12.5°	810.7	785.8	733.0	674.9	617.5	557.6	495.2	448.5	416.5	393.4	389.8
15°	787.3	755.3	685.5	608.9	530.7	451.0	371.3	304.6	267.5	244.7	243.1
17.5°	766.5	726.9	636.3	539.8	441.9	339.8	248.2	198.2	176.9	167.0	166.0
20°	746.4	698.2	586.0	469.8	344.9	238.6	171.3	148.2	141.4	137.3	137.8
22.5°	727.2	667.0	533.2	392.1	258.6	167.5	132.7	123.9	123.1	123.6	123.9
25°	710.9	638.3	478.9	317.3	184.5	127.7	110.9	108.4	110.7	114.0	114.5
27.5°	702.5	615.0	425.9	241.9	133.5	103.8	96.2	97.2	101.3	104.8	105.3
30°	704.8	597.5	371.1	175.4	102.8	87.6	85.0	87.1	91.1	94.4	94.9
32.5°	721.1	588.6	315.0	127.7	84.5	76.4	75.4	76.9	80.5	83.0	83.2
35°	753.3	590.6	261.7	97.7	72.6	68.0	67.8	68.8	70.6	72.3	72.6
37.5°	800.8	607.1	209.1	81.2	65.7	62.4	61.4	61.4	62.7	63.5	64.0
40°	851.8	632.0	167.5	71.8	60.9	57.4	55.3	54.6	55.6	56.6	56.9
42.5°	893.9	656.8	136.0	65.2	57.1	52.3	49.7	49.2	50.5	52.3	52.8
45°	926.1	676.1	113.5	59.9	52.8	47.5	44.7	44.7	47.0	50.0	50.5
47.5°	955.6	691.6	96.7	55.1	48.7	43.1	40.4	40.9	44.7	48.7	49.5
50°	975.6	704.1	84.3	50.8	45.4	39.6	37.1	38.1	42.6	47.5	48.2
52.5°	997.2	719.3	76.1	47.0	42.4	36.8	34.5	35.3	40.4	45.7	46.7
55°	1056.8	770.3	75.9	41.9	37.1	33.0	32.0	32.2	37.3	43.4	44.7
57.5°	1105.6	815.2	81.0	35.3	31.0	28.9	28.4	28.7	33.2	40.1	41.6
60°	914.7	633.5	67.0	29.2	25.9	25.4	24.6	25.1	29.4	35.5	36.8
62.5°	541.4	362.2	32.0	22.3	22.1	21.6	20.8	21.8	25.9	31.2	32.0
65°	185.0	107.4	20.3	18.3	18.8	18.0	17.3	18.3	21.8	24.9	25.1
67.5°	35.5	28.4	16.2	15.2	15.5	14.0	13.7	14.7	16.8	17.3	17.0
70°	18.5	16.5	12.4	12.4	11.9	9.9	9.9	10.9	10.9	10.2	9.9
72.5°	9.6	9.1	8.1	9.1	7.6	6.1	6.1	6.6	6.1	5.1	5.1
75°	3.8	3.8	3.6	4.6	3.3	2.8	2.5	3.0	2.3	1.8	1.8
77.5°	1.0	1.0	1.0	1.3	0.8	0.8	0.5	0.5	0.3	0.0	0.0
80°	0.0	0.3	0.0	0.3	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)