

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: P629423

Luminaire Tested: GWS-SA1B-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629423
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2263.9 lumens
Efficiency: N/A
Efficacy: 90.6 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

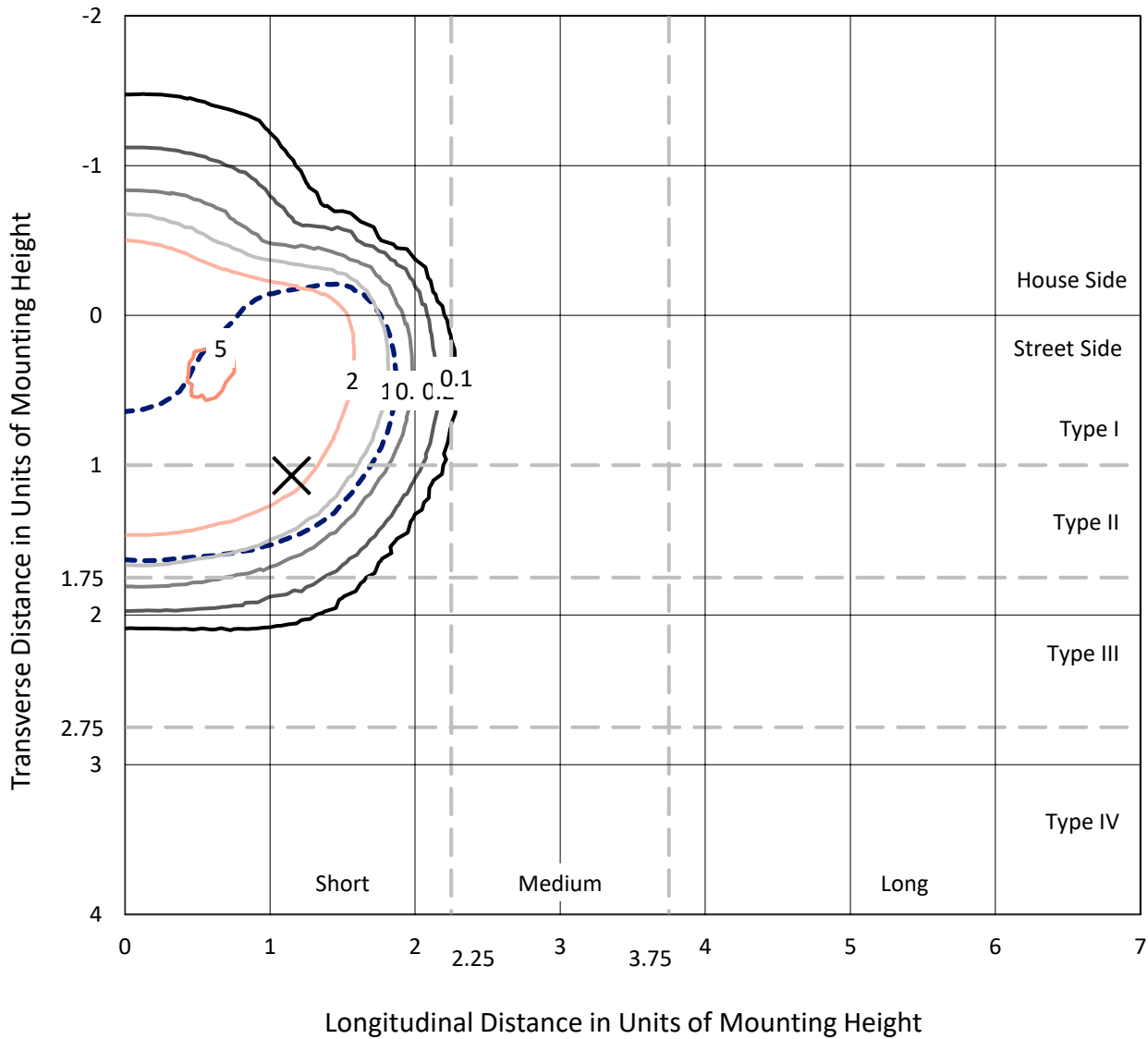
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

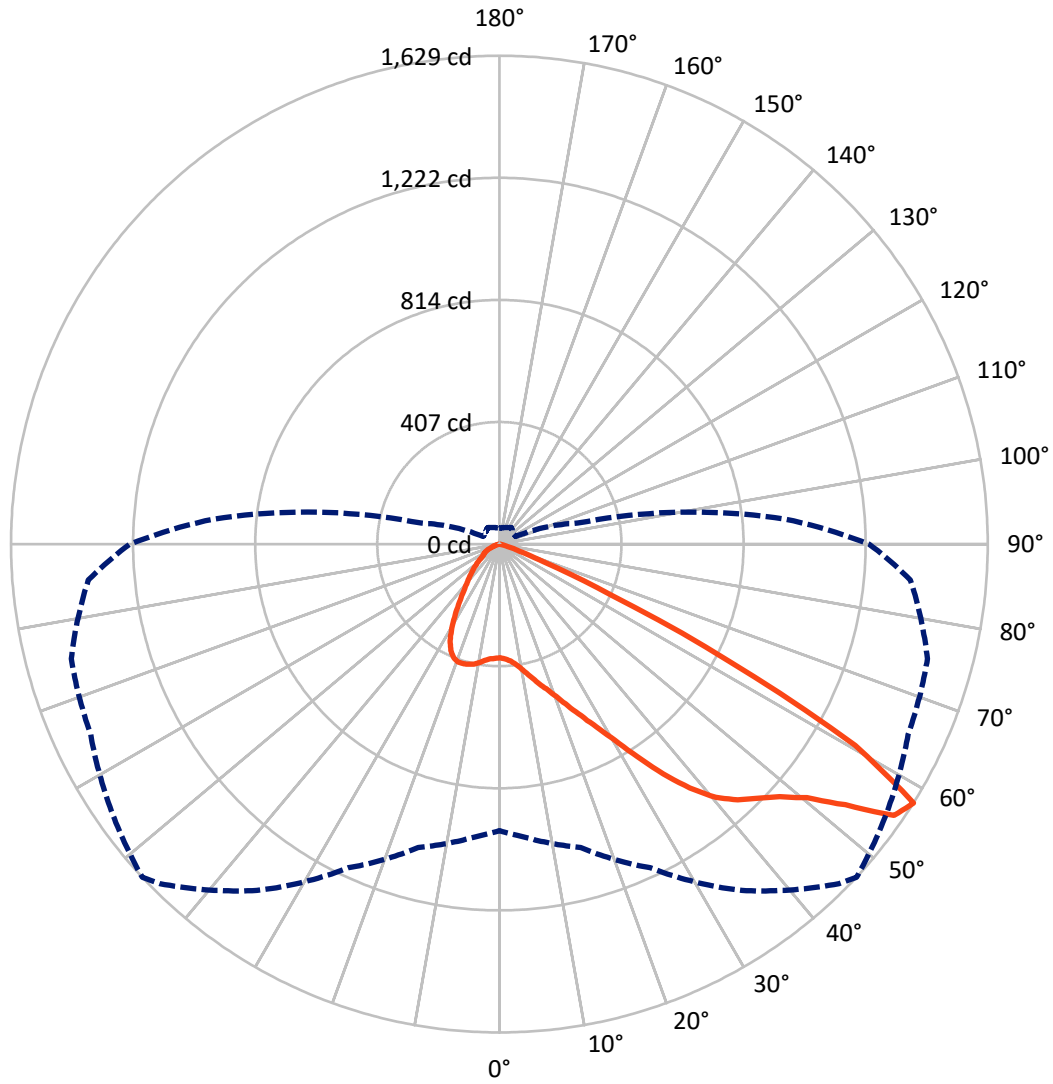
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 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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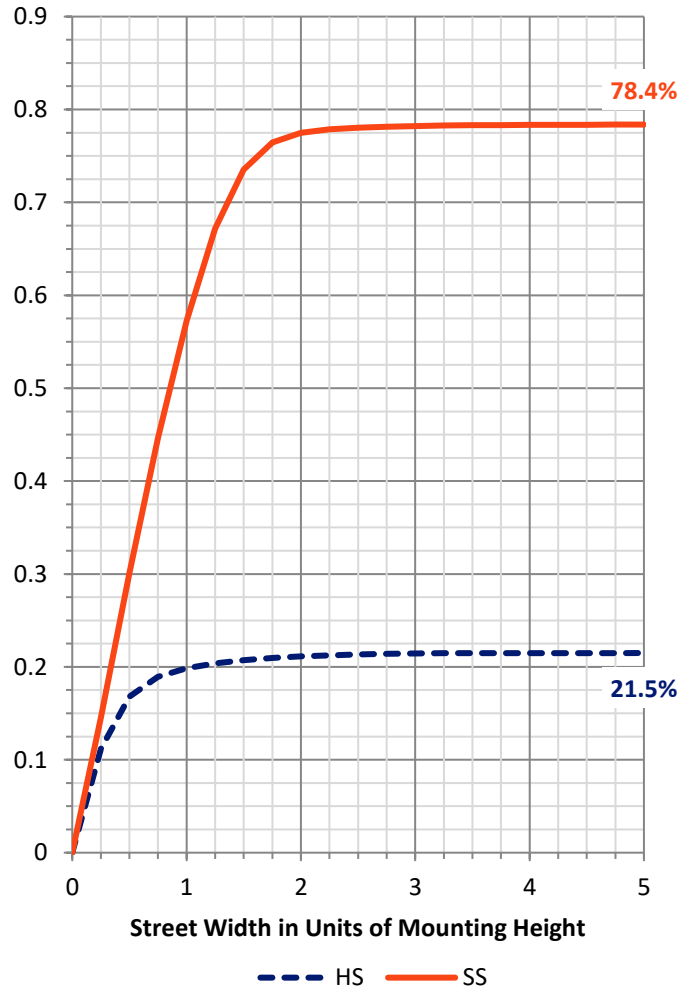
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	491.1	0.0	491.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1772.7	0.0	1772.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	2263.9	0.0	2263.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	1.7
10°-20°	127.2	5.6
20°-30°	236.2	10.4
30°-40°	378.1	16.7
40°-50°	552.8	24.4
50°-60°	682.2	30.1
60°-70°	227.9	10.1
70°-80°	21.2	0.9
80°-90°	0.4	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°	2263.9	100.0
0°-180°	2263.9	100.0

Coefficient of Utilization



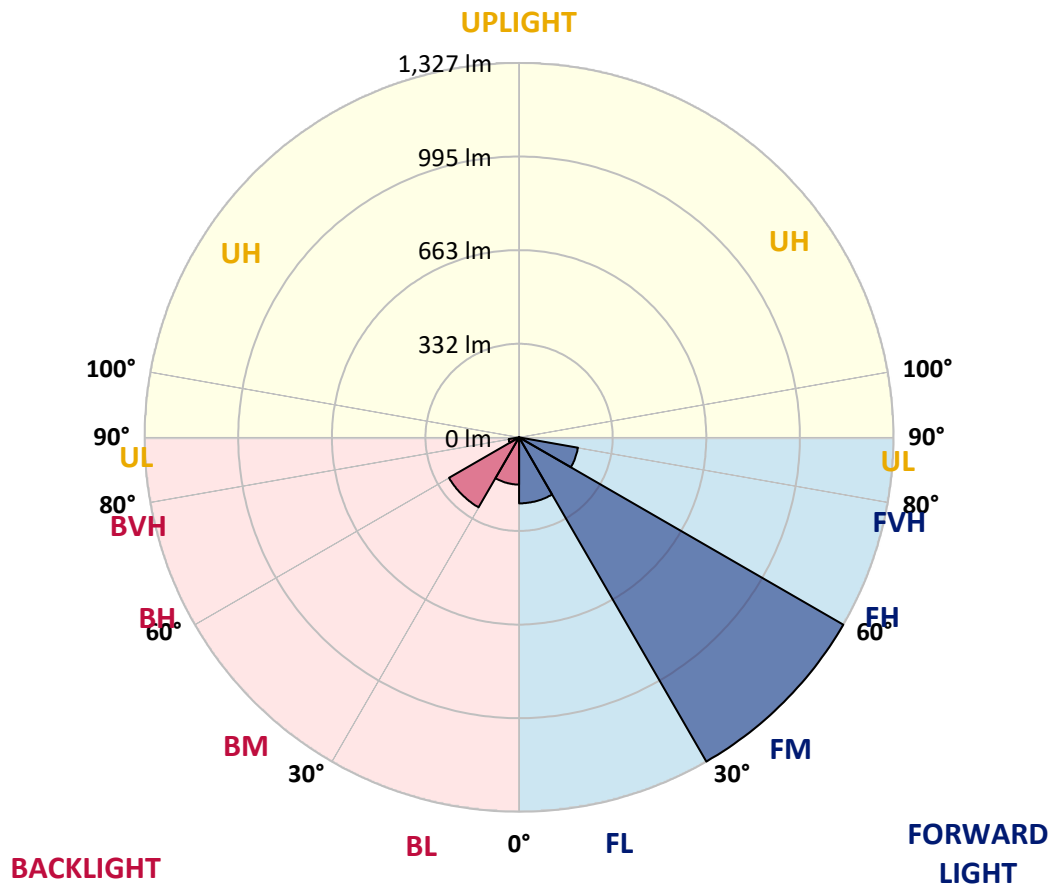
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.0	10.3			
FM (30°-60°)	1326.6	58.6			
FH (60°-80°)	211.8	9.4			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	167.2	7.4	B1/500		
BM (30°-60°)	286.5	12.7	B1/1000		
BH (60°-80°)	37.3	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°	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0
2.5°	382.9	382.7	382.4	384.0	383.4	383.2	383.7	383.7	383.7	382.1	379.0
5°	392.1	392.1	391.9	393.4	392.1	391.3	391.6	391.6	390.5	387.7	383.7
7.5°	406.6	406.0	405.5	407.1	405.8	405.5	406.0	404.5	402.6	397.9	392.4
10°	427.3	427.3	426.5	428.1	427.1	426.5	426.5	425.5	422.1	414.7	406.6
12.5°	456.0	454.7	452.8	451.5	451.0	450.7	451.0	449.4	445.7	436.3	425.0
15°	487.3	486.2	483.3	481.2	478.3	477.8	479.4	478.1	474.4	461.5	445.5
17.5°	526.7	528.0	520.6	516.2	507.8	507.2	507.8	509.9	507.2	490.7	467.3
20°	560.3	561.4	555.9	552.7	545.1	541.7	542.7	546.1	543.2	523.8	491.2
22.5°	596.3	597.6	591.9	585.3	581.9	581.9	585.8	590.5	586.6	561.1	518.5
25°	639.4	640.5	635.7	627.1	621.0	628.7	634.4	647.1	640.5	605.8	550.9
27.5°	688.8	689.1	682.3	673.3	670.2	684.4	690.2	709.6	707.0	656.0	585.0
30°	741.7	741.9	740.3	734.3	731.4	750.1	758.0	786.1	784.2	718.3	631.5
32.5°	796.6	796.6	799.5	799.0	802.4	832.9	845.5	877.5	875.7	794.5	689.4
35°	851.8	852.0	857.0	869.7	883.8	924.3	940.9	979.8	975.6	885.7	763.2
37.5°	914.6	912.0	918.8	937.7	969.3	1016.0	1031.8	1068.9	1064.1	979.0	859.7
40°	990.3	985.6	985.6	1007.6	1043.4	1097.3	1110.7	1129.1	1113.0	1054.4	954.3
42.5°	1073.9	1069.4	1063.6	1083.1	1113.0	1155.1	1166.1	1161.1	1148.0	1125.6	1062.0
45°	1158.5	1151.7	1155.6	1167.4	1184.8	1204.7	1208.9	1185.8	1179.8	1186.1	1151.1
47.5°	1222.9	1218.1	1227.9	1244.4	1258.6	1261.5	1258.6	1226.6	1226.0	1248.4	1212.9
50°	1244.4	1245.0	1271.8	1308.0	1330.9	1333.3	1329.3	1292.5	1287.5	1294.1	1246.3
52.5°	1246.5	1248.6	1287.8	1356.9	1419.2	1447.6	1444.4	1404.7	1355.9	1348.8	1296.7
55°	1195.8	1208.2	1262.8	1363.7	1496.2	1586.9	1597.4	1521.4	1448.9	1442.9	1405.3
57.5°	955.9	981.1	1047.1	1190.8	1410.3	1601.3	1628.7	1574.0	1503.8	1478.1	1376.1
60°	571.4	602.6	666.0	842.3	1073.3	1316.2	1363.2	1370.8	1338.5	1264.1	1055.7
62.5°	245.2	242.6	320.6	455.7	638.4	836.5	857.8	890.9	919.1	841.3	640.7
65°	84.1	91.5	127.2	205.5	319.6	388.4	407.4	437.1	477.0	393.7	234.7
67.5°	52.0	55.2	73.3	121.4	172.4	169.8	161.4	156.6	152.4	104.3	64.4
70°	37.8	40.5	51.5	83.6	115.9	81.5	70.7	57.3	63.6	58.6	45.7
72.5°	25.5	27.6	35.5	50.7	59.4	39.7	36.8	41.8	50.5	48.1	37.3
75°	15.2	16.6	20.2	24.7	24.2	20.5	20.8	29.4	38.6	36.0	26.5
77.5°	10.5	11.0	13.4	16.0	11.8	6.3	5.8	8.1	13.1	13.1	8.9
80°	2.6	3.4	3.4	2.1	1.8	1.6	1.6	2.4	3.7	2.6	1.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
87.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
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°	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0	379.0
2.5°	380.8	377.7	379.8	379.2	380.8	381.3	379.0	378.5	378.7	375.6	374.5
5°	384.5	380.8	381.9	380.8	382.7	384.2	383.4	384.5	385.8	383.4	382.4
7.5°	392.4	388.7	388.4	386.9	389.5	390.5	390.3	393.2	395.8	394.2	392.6
10°	406.0	401.1	400.5	399.2	400.0	400.8	397.9	398.4	400.8	399.0	398.2
12.5°	422.9	416.8	415.5	412.4	412.4	408.4	402.1	400.8	402.6	401.3	400.0
15°	441.0	432.9	430.8	425.2	420.0	412.6	406.0	404.5	405.8	404.2	403.2
17.5°	461.2	452.0	445.2	435.5	423.9	415.2	407.9	404.5	402.4	399.2	399.0
20°	481.2	469.1	457.6	442.1	426.8	413.7	401.6	392.6	385.0	380.3	378.5
22.5°	504.3	486.5	467.8	446.0	424.2	404.2	382.9	367.7	354.5	350.1	348.0
25°	529.0	505.9	478.1	449.7	415.2	383.2	354.3	331.7	314.3	308.5	306.2
27.5°	556.4	524.6	488.6	448.9	396.9	353.2	314.9	286.7	269.6	264.4	266.2
30°	591.1	548.8	501.7	440.7	369.3	311.2	266.2	242.6	229.7	224.7	225.0
32.5°	637.3	583.4	520.9	423.4	333.8	263.3	223.9	206.6	197.9	191.3	190.8
35°	703.6	636.3	538.8	395.5	290.7	220.8	192.1	178.5	166.4	158.7	160.1
37.5°	782.9	702.8	548.5	358.0	242.3	187.6	168.2	154.3	140.6	129.3	130.6
40°	877.0	789.8	547.7	308.5	198.2	165.0	148.2	131.9	114.9	104.6	105.7
42.5°	981.9	872.0	530.6	256.2	164.3	146.7	129.0	108.5	92.0	85.7	85.9
45°	1072.8	938.8	500.7	202.1	138.2	128.8	109.1	88.0	80.7	76.2	76.0
47.5°	1140.1	987.7	457.8	159.0	117.2	112.5	89.6	78.8	73.1	69.4	68.9
50°	1177.7	1004.7	410.5	124.6	99.1	95.4	80.2	71.5	67.5	65.2	64.7
52.5°	1228.1	1025.2	376.6	98.3	83.0	78.1	73.9	66.5	63.9	62.0	61.2
55°	1308.0	1064.9	347.2	78.1	69.1	68.1	69.6	63.6	62.0	59.1	58.1
57.5°	1232.9	956.6	269.6	60.4	58.3	62.3	67.3	60.7	56.8	54.1	53.1
60°	867.6	636.0	135.6	48.6	52.0	58.3	63.3	54.9	51.0	51.5	51.0
62.5°	478.3	318.3	61.0	40.7	45.2	51.5	54.1	47.6	44.9	49.4	50.2
65°	156.4	108.3	35.2	31.5	35.7	42.1	46.8	45.2	44.7	49.9	51.5
67.5°	48.1	35.7	23.9	22.6	24.7	31.0	39.4	48.9	52.6	54.1	54.9
70°	36.0	28.1	20.5	19.2	20.2	23.7	33.4	40.7	38.4	38.6	38.1
72.5°	28.9	22.3	17.6	16.8	16.8	16.3	17.6	22.1	25.0	26.3	26.3
75°	20.2	15.8	13.4	12.4	9.7	7.9	7.1	7.1	6.3	6.0	5.8
77.5°	6.8	5.8	5.3	4.2	2.9	2.4	2.1	1.8	1.3	0.8	0.5
80°	1.1	0.8	0.5	0.5	0.5	0.3	0.3	0.3	0.0	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.3	0.3	0.3	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)