

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: P629478

Luminaire Tested: GWS-SA1B-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629478
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2232.9 lumens
Efficiency: N/A
Efficacy: 89.3 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

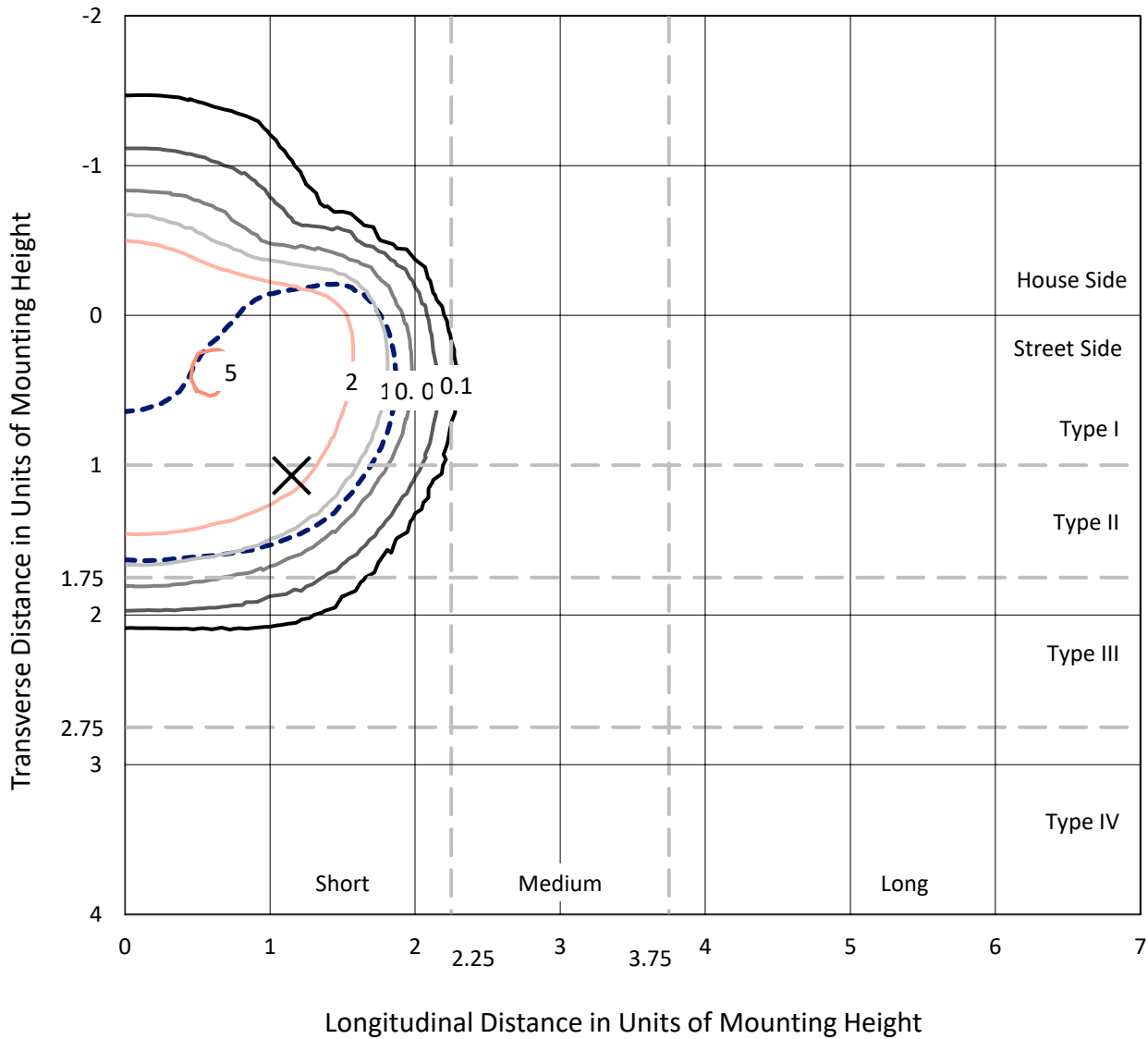
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

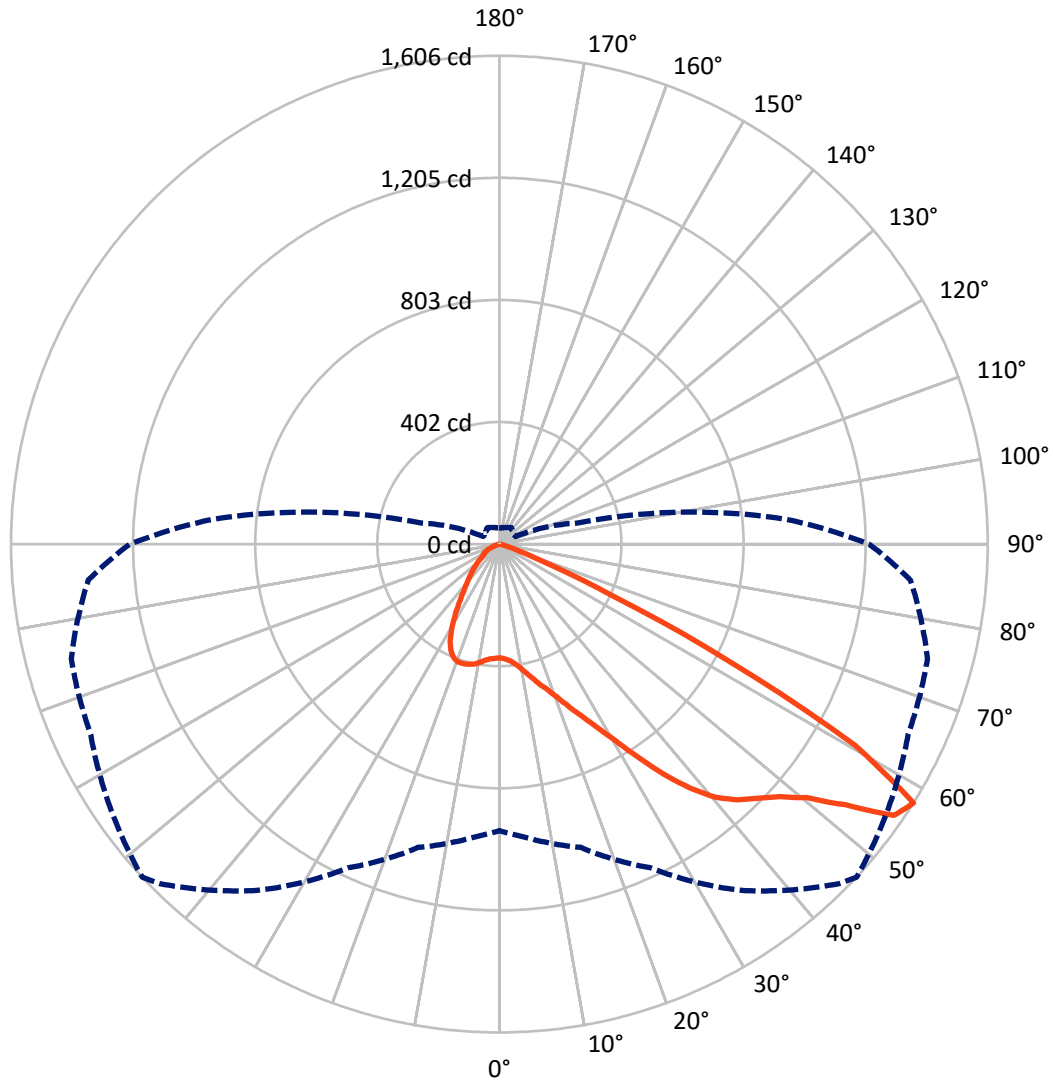
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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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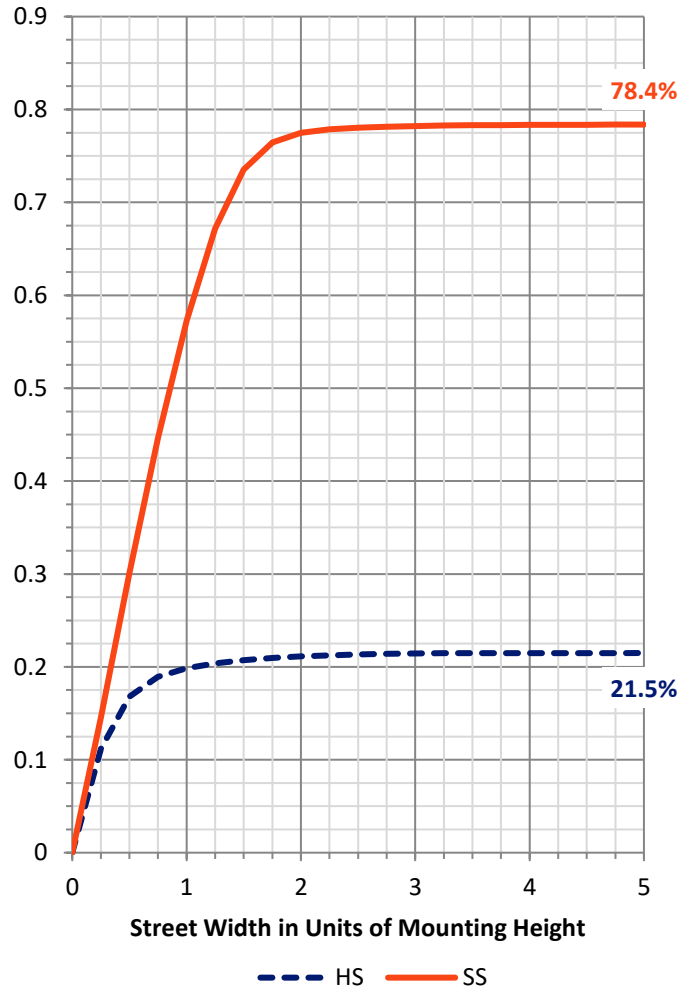
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	484.4	0.0	484.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1748.5	0.0	1748.5
	% Fixture	78.3	0.0	78.3
Total	Lumens	2232.9	0.0	2232.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	1.7
10°-20°	125.5	5.6
20°-30°	233.0	10.4
30°-40°	373.0	16.7
40°-50°	545.2	24.4
50°-60°	672.9	30.1
60°-70°	224.8	10.1
70°-80°	21.0	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°	2232.9	100.0
0°-180°	2232.9	100.0

Coefficient of Utilization



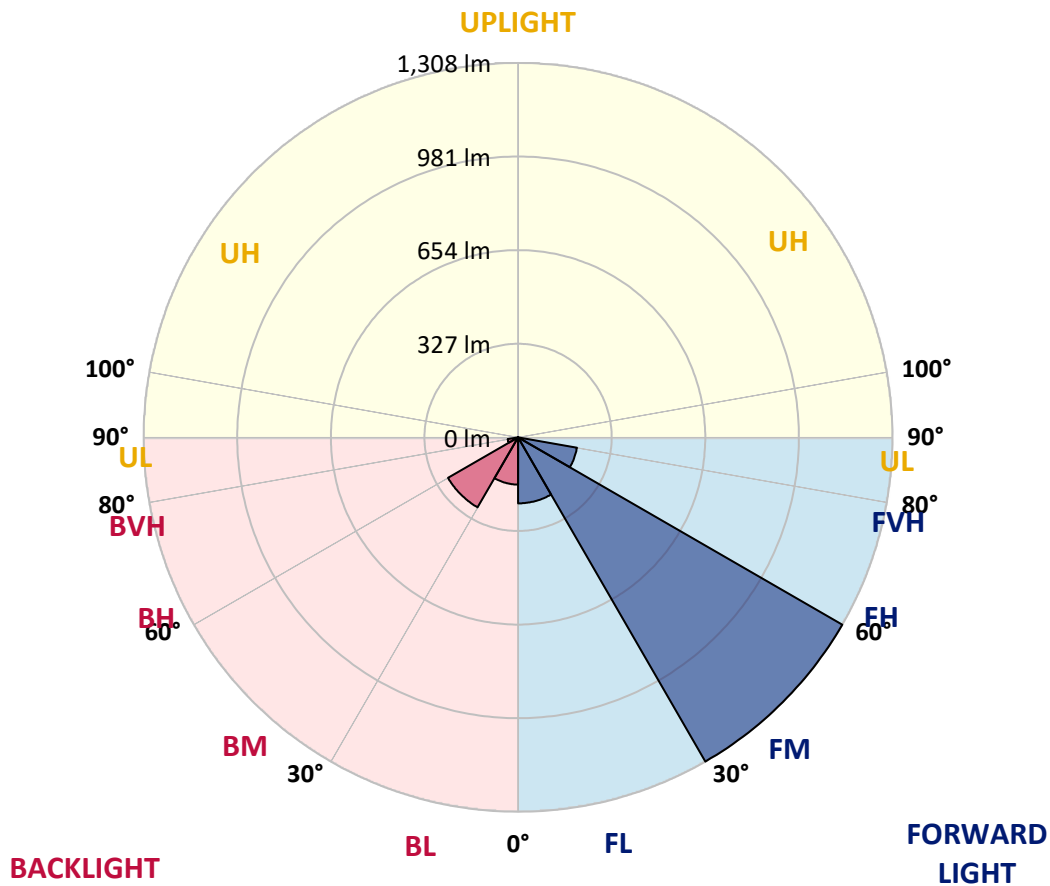
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.8	10.3			
FM (30°-60°)	1308.5	58.6			
FH (60°-80°)	209.0	9.4			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	164.9	7.4	B1/500		
BM (30°-60°)	282.6	12.7	B1/1000		
BH (60°-80°)	36.8	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°	373.8	373.8	373.8	373.8	373.8	373.8	373.8	373.8	373.8	373.8	373.8
2.5°	377.7	377.4	377.2	378.7	378.2	377.9	378.5	378.5	378.5	376.9	373.8
5°	386.8	386.8	386.5	388.0	386.8	386.0	386.2	386.2	385.2	382.3	378.5
7.5°	401.0	400.5	400.0	401.5	400.2	400.0	400.5	398.9	397.1	392.5	387.0
10°	421.5	421.5	420.7	422.3	421.2	420.7	420.7	419.7	416.3	409.0	401.0
12.5°	449.7	448.4	446.6	445.3	444.8	444.6	444.8	443.3	439.6	430.3	419.2
15°	480.6	479.6	476.7	474.6	471.8	471.3	472.8	471.5	467.9	455.2	439.4
17.5°	519.5	520.8	513.5	509.1	500.8	500.3	500.8	502.9	500.3	484.0	460.9
20°	552.6	553.7	548.2	545.1	537.6	534.2	535.3	538.7	535.8	516.6	484.5
22.5°	588.2	589.5	583.8	577.3	573.9	573.9	577.8	582.5	578.6	553.4	511.4
25°	630.7	631.7	627.0	618.5	612.5	620.0	625.7	638.2	631.7	597.5	543.3
27.5°	679.4	679.7	672.9	664.1	661.0	675.0	680.7	699.9	697.3	647.0	577.0
30°	731.5	731.8	730.2	724.3	721.4	739.8	747.6	775.3	773.5	708.4	622.9
32.5°	785.7	785.7	788.5	788.0	791.4	821.5	833.9	865.5	863.7	783.6	679.9
35°	840.1	840.4	845.3	857.7	871.7	911.7	928.0	966.4	962.2	873.6	752.8
37.5°	902.1	899.5	906.2	924.9	956.0	1002.1	1017.7	1054.2	1049.6	965.6	847.9
40°	976.7	972.1	972.1	993.8	1029.1	1082.2	1095.4	1113.6	1097.8	1040.0	941.2
42.5°	1059.2	1054.8	1049.0	1068.2	1097.8	1139.3	1150.1	1145.2	1132.3	1110.2	1047.5
45°	1142.6	1135.9	1139.8	1151.4	1168.5	1188.2	1192.4	1169.6	1163.6	1169.8	1135.4
47.5°	1206.1	1201.5	1211.1	1227.4	1241.4	1244.2	1241.4	1209.8	1209.2	1231.3	1196.3
50°	1227.4	1227.9	1254.3	1290.1	1312.7	1315.0	1311.1	1274.8	1269.9	1276.4	1229.2
52.5°	1229.5	1231.5	1270.2	1338.3	1399.8	1427.8	1424.7	1385.5	1337.3	1330.3	1279.0
55°	1179.4	1191.6	1245.5	1345.1	1475.7	1565.1	1575.5	1500.6	1429.1	1423.1	1386.0
57.5°	942.8	967.7	1032.7	1174.5	1391.0	1579.4	1606.4	1552.4	1483.2	1457.8	1357.3
60°	563.5	594.4	656.9	830.8	1058.6	1298.2	1344.6	1352.1	1320.2	1246.8	1041.3
62.5°	241.8	239.3	316.2	449.5	629.6	825.1	846.1	878.7	906.5	829.8	632.0
65°	82.9	90.2	125.5	202.7	315.2	383.1	401.8	431.1	470.5	388.3	231.5
67.5°	51.3	54.4	72.3	119.8	170.0	167.5	159.2	154.5	150.3	102.9	63.5
70°	37.3	39.9	50.8	82.4	114.3	80.4	69.7	56.5	62.7	57.8	45.1
72.5°	25.1	27.2	35.0	50.0	58.6	39.1	36.3	41.2	49.8	47.4	36.8
75°	15.0	16.3	20.0	24.4	23.8	20.2	20.5	29.0	38.1	35.5	26.2
77.5°	10.4	10.9	13.2	15.8	11.7	6.2	5.7	8.0	13.0	13.0	8.8
80°	2.6	3.4	3.4	2.1	1.8	1.6	1.6	2.3	3.6	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°	373.8	373.8	373.8	373.8	373.8	373.8	373.8	373.8	373.8	373.8	373.8
2.5°	375.6	372.5	374.6	374.0	375.6	376.1	373.8	373.3	373.5	370.4	369.4
5°	379.2	375.6	376.6	375.6	377.4	379.0	378.2	379.2	380.5	378.2	377.2
7.5°	387.0	383.4	383.1	381.6	384.2	385.2	384.9	387.8	390.4	388.8	387.3
10°	400.5	395.6	395.0	393.7	394.5	395.3	392.5	393.0	395.3	393.5	392.7
12.5°	417.1	411.1	409.8	406.7	406.7	402.8	396.6	395.3	397.1	395.8	394.5
15°	435.0	426.9	424.9	419.4	414.2	407.0	400.5	398.9	400.2	398.7	397.6
17.5°	454.9	445.9	439.1	429.5	418.1	409.6	402.3	398.9	396.9	393.7	393.5
20°	474.6	462.7	451.3	436.0	421.0	408.0	396.1	387.3	379.8	375.1	373.3
22.5°	497.4	479.8	461.4	439.9	418.4	398.7	377.7	362.6	349.7	345.3	343.2
25°	521.8	499.0	471.5	443.5	409.6	377.9	349.4	327.1	310.0	304.3	302.0
27.5°	548.8	517.4	481.9	442.7	391.4	348.4	310.5	282.8	266.0	260.8	262.6
30°	583.0	541.2	494.8	434.7	364.2	306.9	262.6	239.3	226.6	221.6	221.9
32.5°	628.6	575.5	513.8	417.6	329.2	259.7	220.9	203.7	195.2	188.7	188.2
35°	693.9	627.6	531.4	390.1	286.7	217.7	189.5	176.0	164.1	156.6	157.9
37.5°	772.2	693.1	541.0	353.1	239.0	185.1	165.9	152.2	138.7	127.5	128.8
40°	865.0	778.9	540.2	304.3	195.4	162.8	146.2	130.1	113.3	103.2	104.2
42.5°	968.4	860.1	523.4	252.7	162.0	144.6	127.3	107.1	90.7	84.5	84.8
45°	1058.1	925.9	493.8	199.3	136.3	127.0	107.6	86.8	79.6	75.2	74.9
47.5°	1124.5	974.1	451.6	156.8	115.6	110.9	88.4	77.8	72.1	68.4	67.9
50°	1161.5	991.0	404.9	122.9	97.7	94.1	79.1	70.5	66.6	64.3	63.8
52.5°	1211.3	1011.2	371.5	96.9	81.9	77.0	72.8	65.6	63.0	61.2	60.4
55°	1290.1	1050.3	342.4	77.0	68.2	67.1	68.7	62.7	61.2	58.3	57.3
57.5°	1216.0	943.5	266.0	59.6	57.5	61.4	66.4	59.9	56.0	53.4	52.4
60°	855.7	627.3	133.8	48.0	51.3	57.5	62.5	54.2	50.3	50.8	50.3
62.5°	471.8	313.9	60.1	40.2	44.6	50.8	53.4	46.9	44.3	48.7	49.5
65°	154.2	106.8	34.7	31.1	35.3	41.5	46.1	44.6	44.1	49.3	50.8
67.5°	47.4	35.3	23.6	22.3	24.4	30.6	38.9	48.2	51.8	53.4	54.2
70°	35.5	27.7	20.2	18.9	20.0	23.3	32.9	40.2	37.8	38.1	37.6
72.5°	28.5	22.0	17.4	16.6	16.6	16.1	17.4	21.8	24.6	25.9	25.9
75°	20.0	15.6	13.2	12.2	9.6	7.8	7.0	7.0	6.2	6.0	5.7
77.5°	6.7	5.7	5.2	4.1	2.9	2.3	2.1	1.8	1.3	0.8	0.5
80°	1.0	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)