

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: P629580

Luminaire Tested: GWS-SA1B-830-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-830-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 1691.2 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

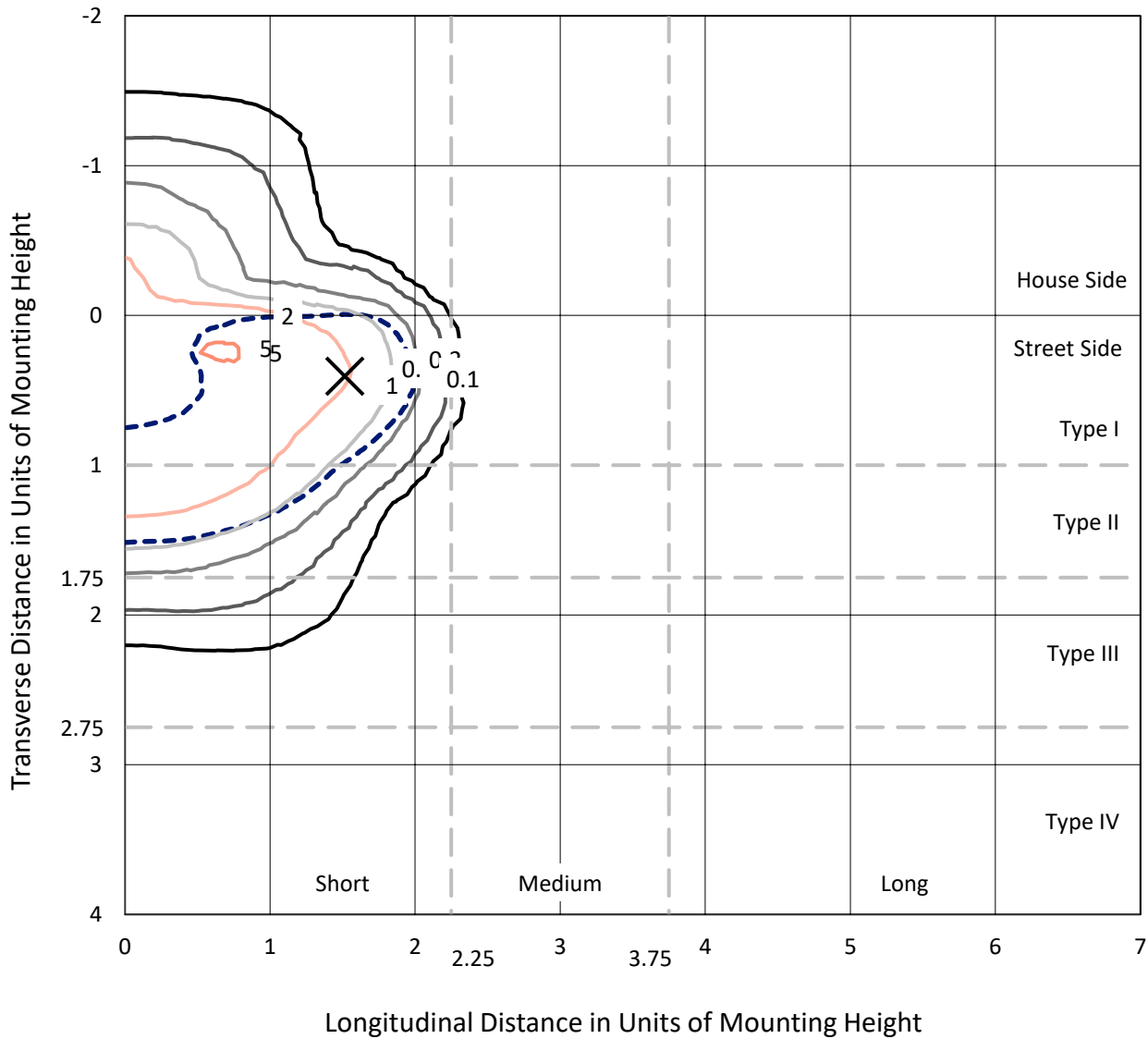
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

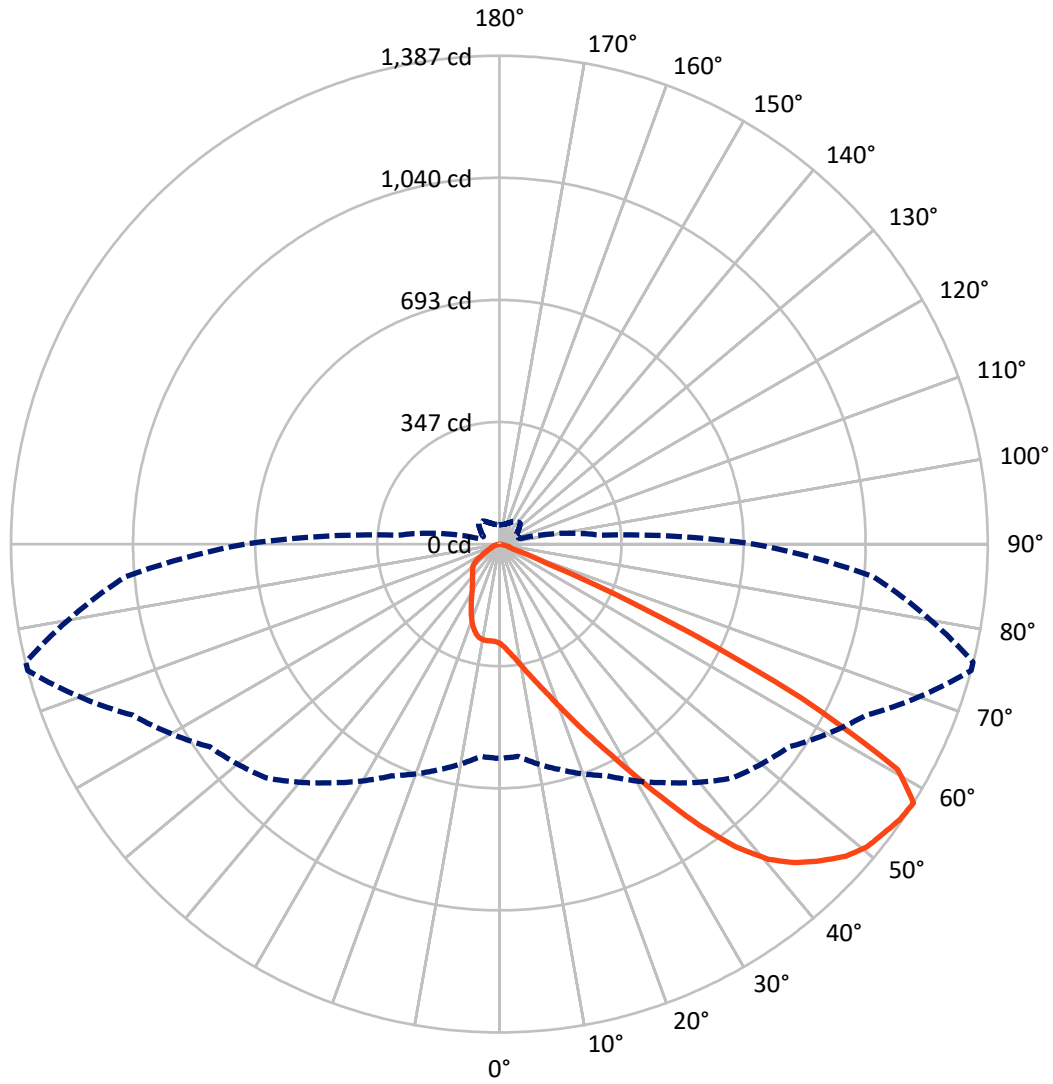
✕ Max cd
 - - - 1/2 Max cd



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 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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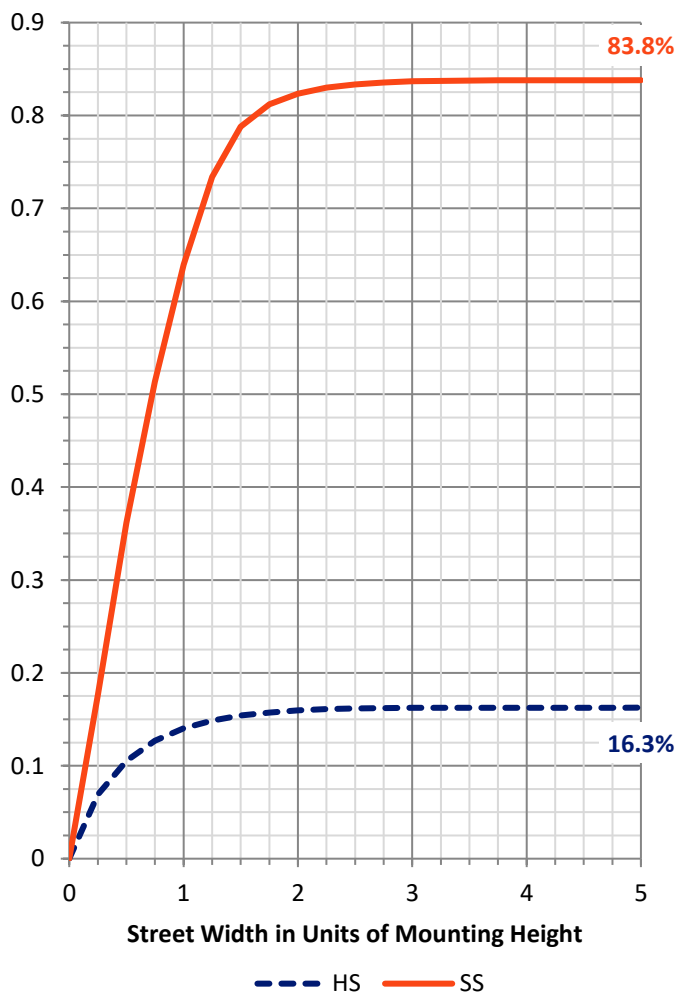
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	276.3	0.0	276.3
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	1414.9	0.0	1414.9
	% Fixture	83.7	0.0	83.7
Total	Lumens	1691.2	0.0	1691.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	1.7
10°-20°	93.2	5.5
20°-30°	170.7	10.1
30°-40°	283.3	16.8
40°-50°	432.6	25.6
50°-60°	486.1	28.7
60°-70°	179.3	10.6
70°-80°	17.1	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°	1691.2	100.0
0°-180°	1691.2	100.0

Coefficient of Utilization



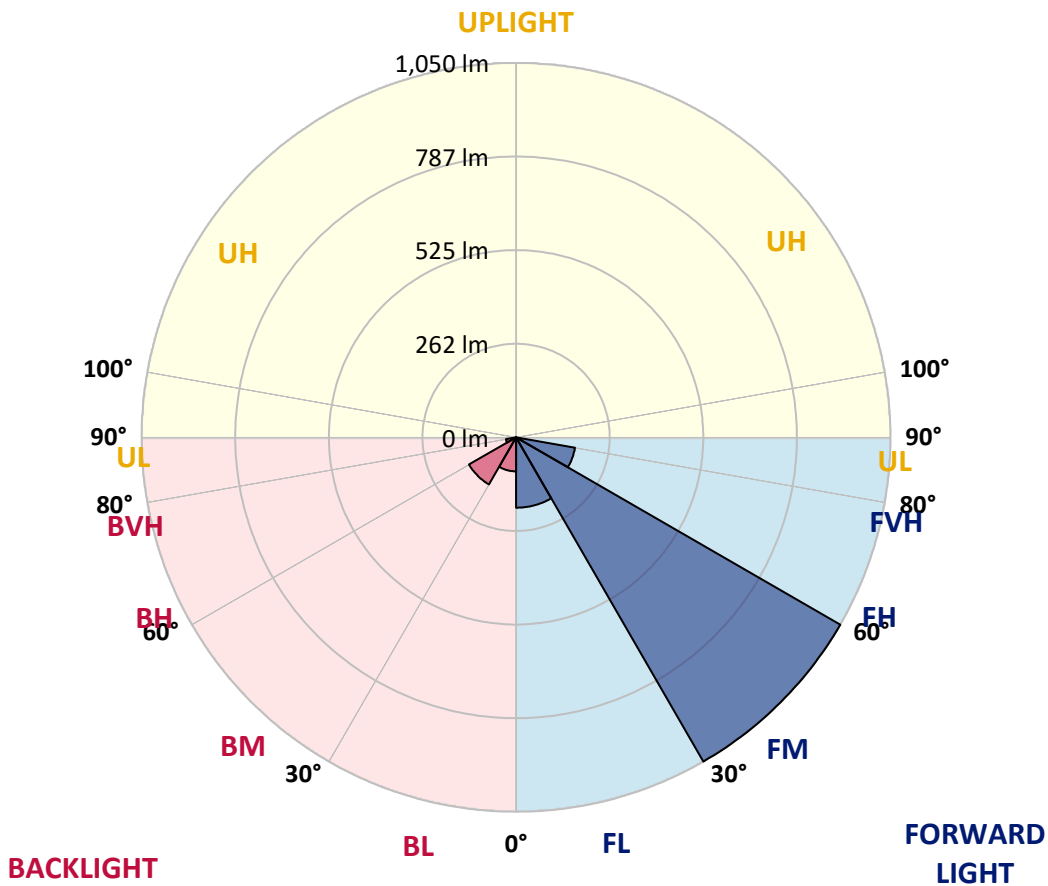
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.4	11.7			
FM (30°-60°)	1049.8	62.1			
FH (60°-80°)	167.8	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	95.3	5.6	B0/110		
BM (30°-60°)	152.2	9.0	B0/220		
BH (60°-80°)	28.7	1.7	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: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1
2.5°	315.1	318.4	317.4	315.3	314.1	309.8	307.2	299.4	293.9	293.3	288.2
5°	354.9	354.3	353.5	351.1	349.0	342.3	334.3	321.3	309.6	308.2	297.4
7.5°	376.8	377.2	377.6	377.2	375.8	370.6	361.9	346.6	328.8	327.6	310.4
10°	385.8	386.6	388.6	392.5	396.0	395.5	390.4	374.7	352.9	350.9	327.8
12.5°	390.0	391.1	394.3	401.7	411.1	418.4	419.2	405.1	381.1	377.8	348.4
15°	396.0	397.0	401.1	410.7	424.3	438.8	448.2	439.2	412.3	408.8	371.1
17.5°	398.6	400.0	406.0	418.6	436.4	458.6	479.8	479.0	449.2	446.6	397.4
20°	403.7	404.7	410.0	423.7	445.1	477.2	512.9	525.8	494.3	490.5	429.2
22.5°	419.8	420.2	422.7	431.3	451.3	490.7	546.6	580.3	547.6	542.5	464.9
25°	446.2	446.0	447.0	448.4	463.1	504.3	579.0	641.7	608.6	603.1	505.4
27.5°	479.6	479.6	482.1	478.0	483.9	521.3	611.1	712.3	679.7	671.9	549.6
30°	519.0	518.8	524.5	518.0	519.8	548.0	645.6	789.3	765.4	755.8	600.7
32.5°	572.5	571.3	577.8	568.8	562.7	588.4	687.6	869.7	868.0	853.3	664.8
35°	640.1	638.0	640.1	631.3	620.3	645.0	742.7	949.9	981.9	966.4	741.1
37.5°	707.2	713.7	716.0	700.9	691.9	716.6	809.1	1021.7	1090.7	1074.6	820.5
40°	786.4	784.4	792.1	775.2	769.5	796.8	874.0	1075.2	1176.9	1161.5	891.1
42.5°	844.8	848.5	858.0	848.7	844.2	869.9	928.5	1106.4	1236.7	1221.5	941.5
45°	914.8	917.4	921.1	913.4	908.7	934.0	967.9	1120.1	1282.2	1265.8	975.4
47.5°	990.5	992.5	992.5	976.6	961.5	971.9	994.2	1127.9	1324.0	1308.3	1000.5
50°	1044.8	1045.8	1054.8	1043.6	1010.7	994.6	1006.2	1135.4	1351.8	1337.1	1008.7
52.5°	996.6	995.4	1025.0	1048.3	1057.0	1025.0	1027.0	1146.4	1365.2	1352.6	1015.2
55°	839.3	837.2	878.9	935.4	1012.8	1053.8	1052.1	1153.0	1380.1	1372.4	1038.9
57.5°	608.4	605.0	662.9	725.8	827.2	938.5	1003.8	1149.3	1386.7	1386.1	1066.4
60°	365.8	362.9	417.6	483.7	562.1	673.9	782.3	1029.5	1299.3	1300.5	994.8
62.5°	225.1	227.8	277.2	310.8	340.0	373.7	436.4	692.5	962.5	970.5	699.0
65°	151.4	153.5	199.2	241.7	241.7	197.6	169.6	331.1	513.5	500.0	330.6
67.5°	101.6	103.9	140.0	189.6	196.8	137.8	68.8	98.8	143.1	138.8	81.8
70°	59.8	62.3	93.3	130.0	143.3	95.9	45.9	41.8	40.6	39.4	31.8
72.5°	26.7	27.8	47.6	66.1	60.4	40.4	32.5	33.5	31.6	31.0	25.9
75°	8.2	8.6	12.2	14.3	14.5	14.5	19.6	26.3	24.9	25.1	20.0
77.5°	2.0	2.0	3.3	3.1	1.6	1.4	3.7	5.9	6.1	5.5	4.1
80°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
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°	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1	282.1
2.5°	285.9	280.6	277.2	272.3	268.8	265.1	261.9	259.2	257.8	257.4	257.6
5°	292.5	284.1	275.9	266.6	260.0	253.9	249.0	245.1	243.3	242.7	242.7
7.5°	302.5	290.8	276.4	261.7	250.6	241.0	235.3	231.0	229.4	229.0	227.8
10°	315.5	299.6	275.7	252.9	237.4	227.4	223.3	222.1	222.7	222.9	222.7
12.5°	331.3	308.8	271.9	240.0	223.3	217.2	217.6	220.8	224.5	226.3	226.8
15°	348.0	317.2	263.1	224.7	211.2	211.0	217.0	224.5	231.7	234.7	235.5
17.5°	366.8	323.9	249.6	208.4	200.8	206.8	217.4	229.0	238.6	243.7	244.7
20°	387.4	329.4	232.5	193.1	191.7	202.3	217.0	231.2	243.1	248.8	249.8
22.5°	408.8	333.3	212.7	179.0	183.3	197.2	213.1	227.0	238.2	244.7	245.5
25°	433.3	333.7	192.5	167.2	175.5	190.2	203.7	215.1	224.5	230.2	230.8
27.5°	454.7	328.8	174.5	157.6	168.4	181.7	190.6	197.0	203.5	206.8	207.0
30°	479.4	320.2	157.6	149.8	161.0	171.0	175.5	177.0	177.6	178.2	177.4
32.5°	508.8	309.8	144.9	142.3	152.7	159.4	160.6	157.8	154.3	149.4	148.2
35°	545.0	300.4	134.5	134.9	143.5	147.6	146.5	140.4	133.7	127.8	126.7
37.5°	584.1	292.5	126.5	127.8	133.5	136.3	133.3	126.5	123.5	118.4	118.6
40°	618.8	285.9	119.4	120.6	123.3	125.9	121.0	116.5	122.3	121.8	122.3
42.5°	643.5	280.4	113.3	112.7	114.5	116.3	112.7	110.4	120.0	117.4	118.8
45°	658.0	275.3	108.2	104.5	107.4	110.6	108.2	105.3	108.6	96.3	95.3
47.5°	667.8	272.5	103.7	96.5	101.6	107.4	102.3	95.3	90.6	80.0	79.2
50°	668.8	271.0	98.4	88.4	94.9	101.0	95.1	85.5	78.8	74.1	73.5
52.5°	674.1	273.9	91.0	78.0	85.1	94.9	90.8	81.2	72.0	68.0	67.1
55°	697.8	285.9	78.8	63.7	74.1	90.2	87.4	72.5	63.7	61.2	60.6
57.5°	722.3	288.4	62.0	50.4	64.5	83.5	79.8	66.7	58.2	55.3	54.7
60°	660.5	237.6	46.5	41.6	56.9	77.2	73.9	63.3	53.3	49.8	49.2
62.5°	433.9	128.4	36.9	35.3	48.0	65.3	67.4	57.1	47.6	43.9	43.7
65°	200.0	59.6	28.4	28.0	37.6	52.0	58.0	50.0	40.2	36.9	36.9
67.5°	54.5	29.6	22.2	20.6	25.5	34.9	42.2	37.4	28.6	24.7	24.5
70°	27.1	23.9	20.0	17.8	18.4	21.6	24.9	20.8	14.5	11.8	11.6
72.5°	22.2	19.6	16.9	15.1	13.9	13.3	12.9	10.4	6.7	5.1	4.9
75°	16.5	14.1	12.0	9.8	8.4	7.8	6.9	5.1	2.9	1.6	1.4
77.5°	3.7	3.5	3.3	2.4	2.2	1.8	1.4	1.0	0.4	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	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)