Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1202710

Luminaire Tested: GWC-SB2A-827-U-5WQ

Issue Date: 10/30/2025

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202710
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-827-U-5WQ
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7888 lumens
Efficiency:	N/A
Efficacy:	137.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type V - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

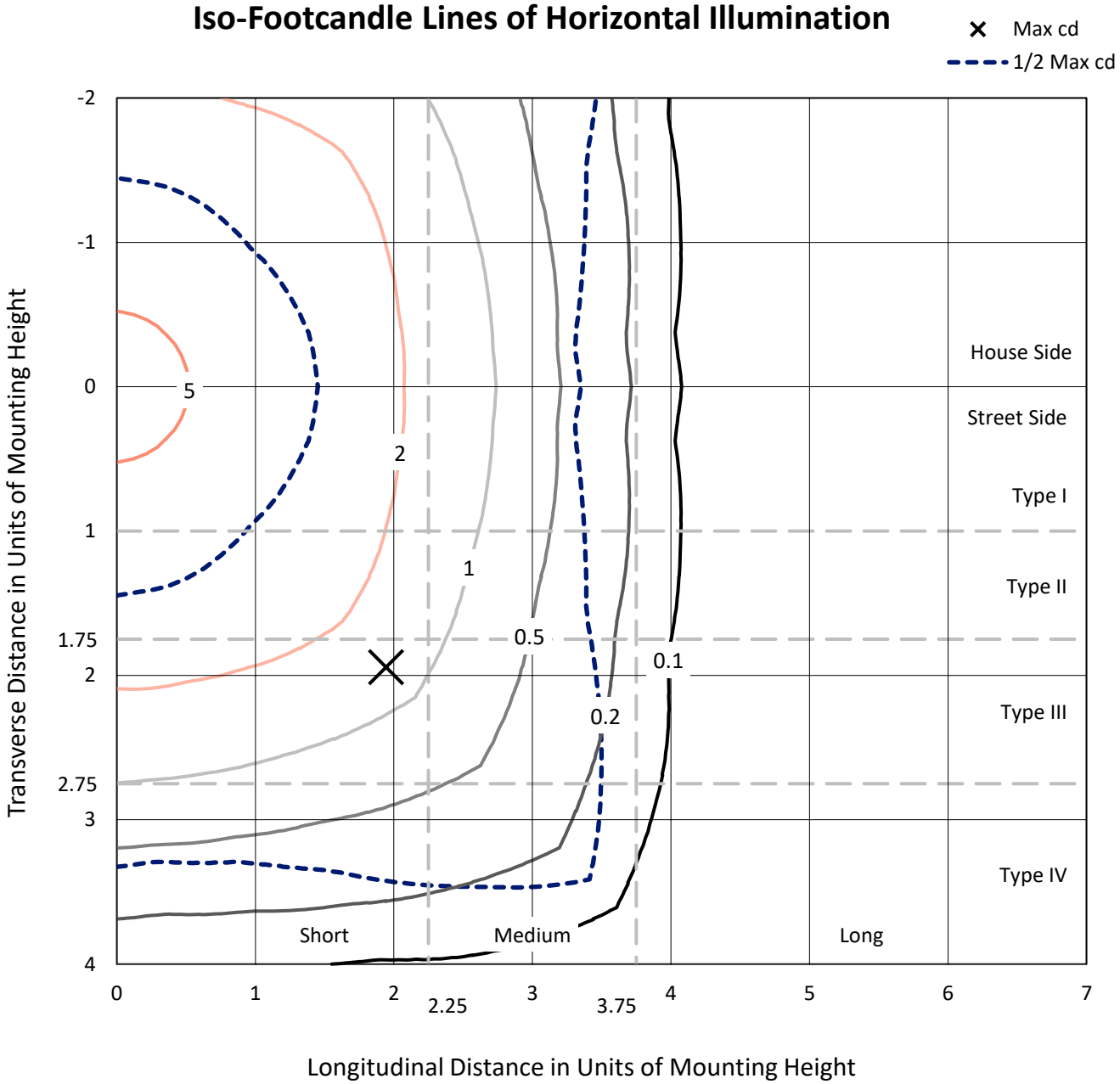


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1202710
CATALOG NUMBER: GWC-SB2A-827-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination



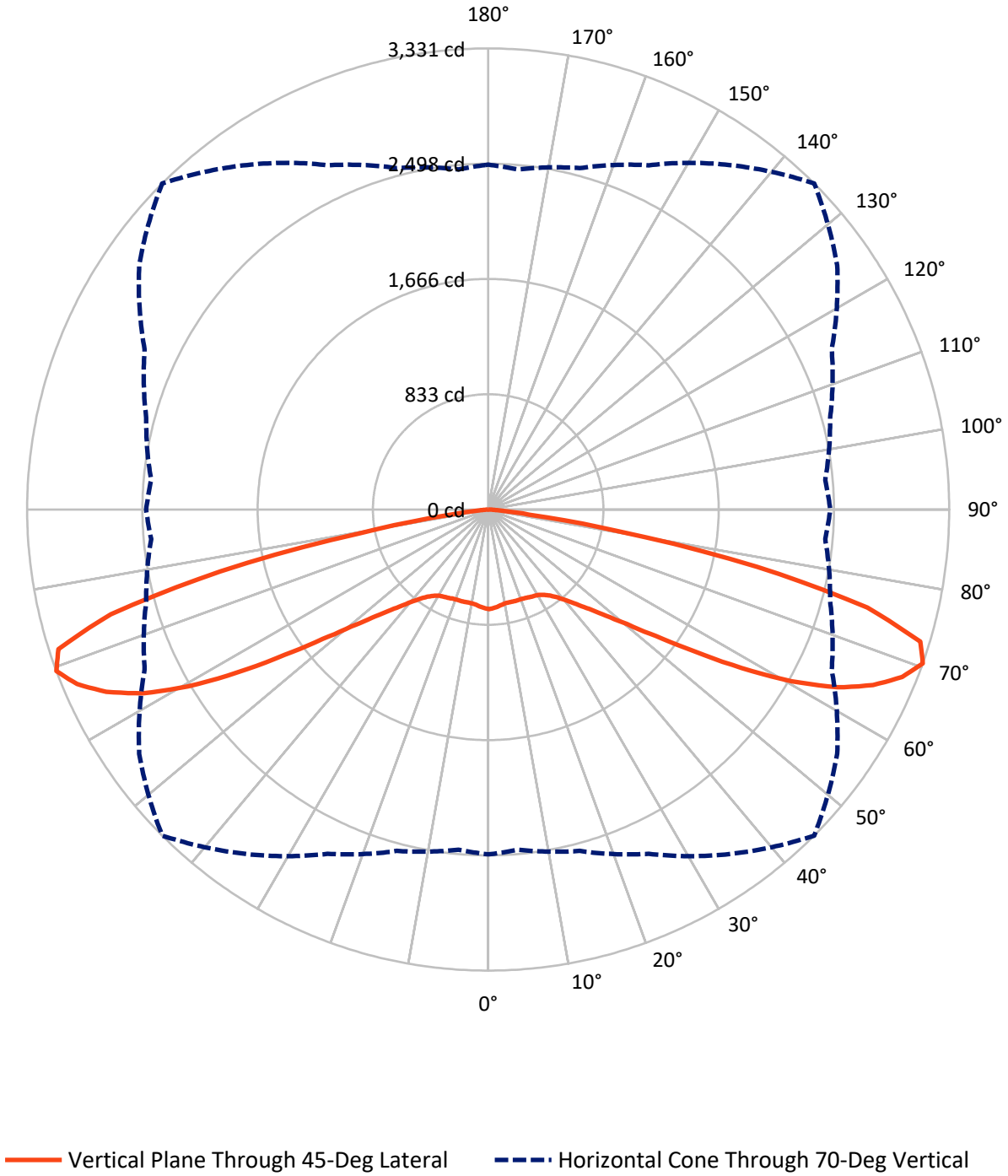
Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
Type V - Short - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1202710
CATALOG NUMBER: GWC-SB2A-827-U-5WQ

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

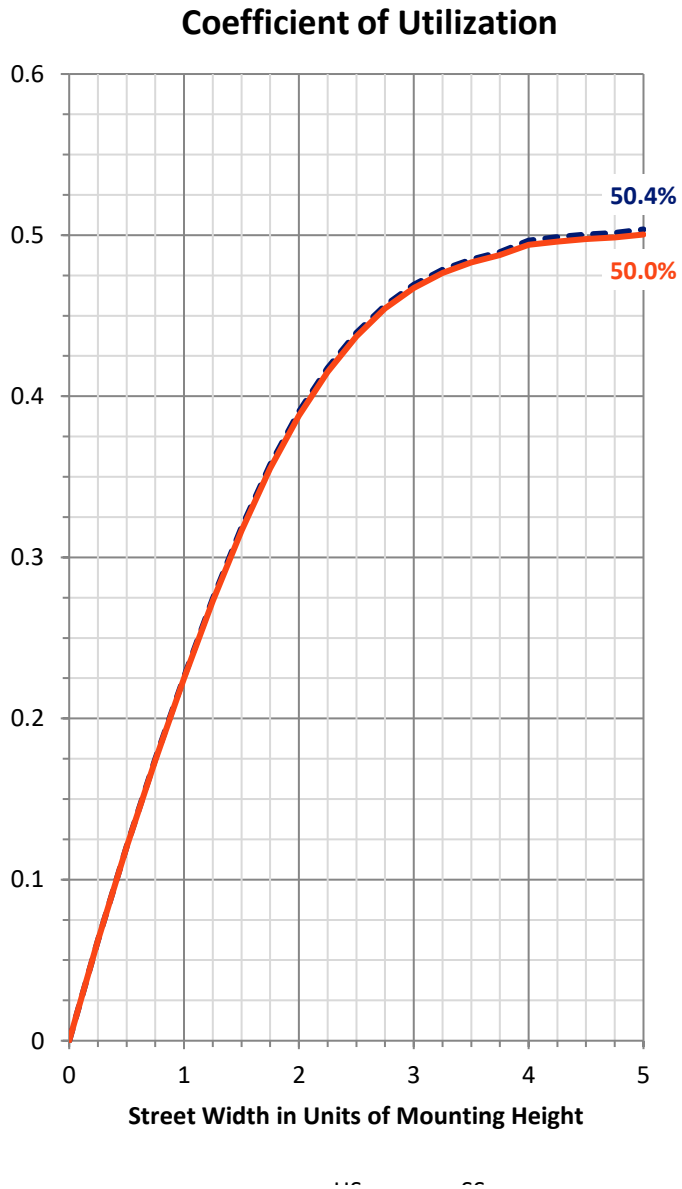
REPORT NUMBER: P1202710
CATALOG NUMBER: GWC-SB2A-827-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3944.0	0.0	3944.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3944.0	0.0	3944.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7888.0	0.0	7888.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	0.8
10°-20°	196.5	2.5
20°-30°	327.1	4.1
30°-40°	494.6	6.3
40°-50°	821.9	10.4
50°-60°	1551.0	19.7
60°-70°	2618.9	33.2
70°-80°	1720.9	21.8
80°-90°	90.2	1.1
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°	7888.0	100.0
0°-180°	7888.0	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

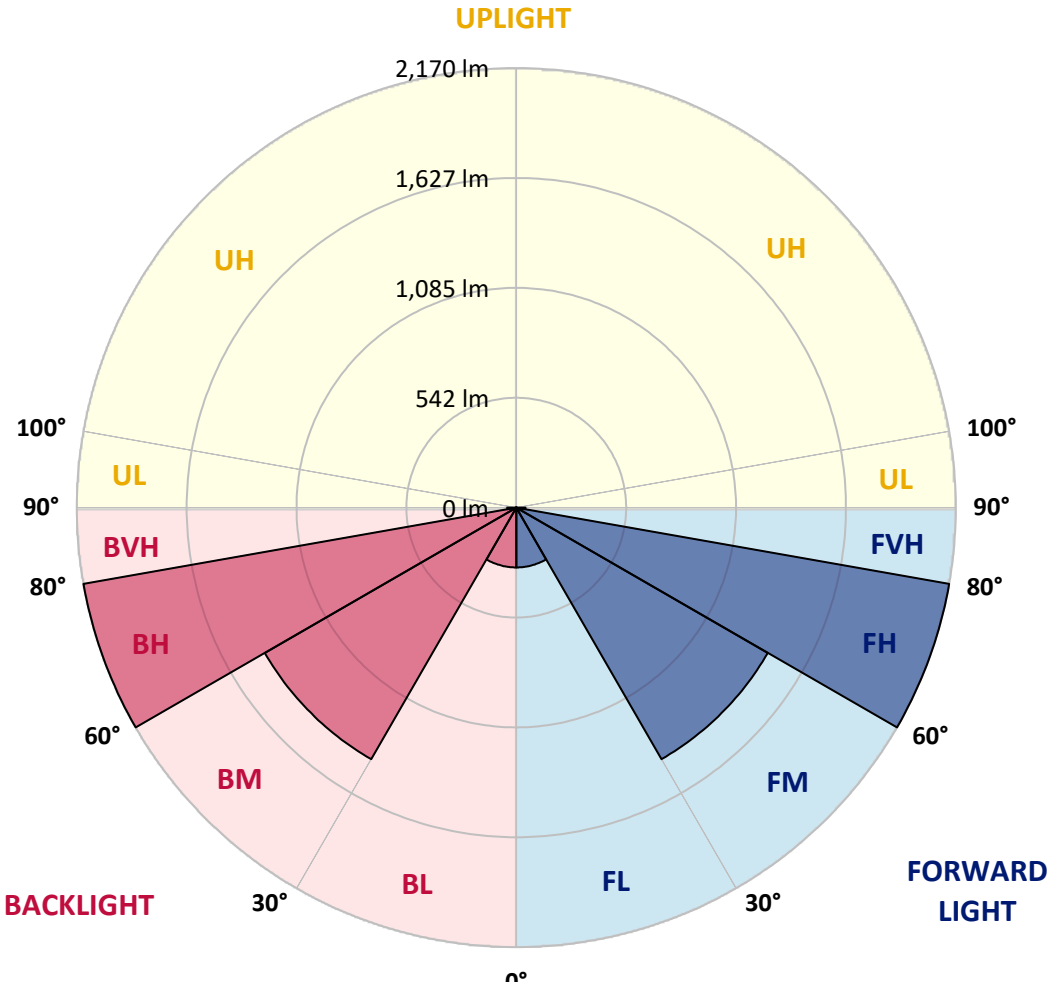
Scaled Data Report

REPORT NUMBER: P1202710
CATALOG NUMBER: GWC-SB2A-827-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	295.3	3.7			
FM	(30°-60°)	1433.8	18.2			
FH	(60°-80°)	2169.9	27.5			G2/5000
FVH	(80°-90°)	45.1	0.6			G1/100
BL	(0°-30°)	295.3	3.7	B1/500		
BM	(30°-60°)	1433.8	18.2	B2/2500		
BH	(60°-80°)	2169.9	27.5	B3/2500		G2/5000
BVH	(80°-90°)	45.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type V Short



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1202710
CATALOG NUMBER: GWC-SB2A-827-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	719.5	719.5	719.5	719.5	719.5	719.5	719.5	719.5	719.5	719.5	719.5
2.5°	715.0	717.1	716.3	714.6	714.6	713.4	714.6	715.4	716.7	717.5	717.1
5°	705.6	707.2	706.8	705.6	706.0	704.8	705.6	706.8	707.7	708.1	708.1
7.5°	697.4	699.0	698.2	696.2	696.2	694.9	695.4	696.6	697.8	698.2	698.2
10°	695.4	697.0	694.5	691.3	690.0	688.4	688.8	690.0	692.5	693.7	693.7
12.5°	696.2	697.4	694.9	690.0	688.8	687.2	687.2	688.4	691.7	693.3	693.7
15°	698.6	699.9	696.2	690.8	689.6	688.4	688.0	689.6	693.3	696.2	696.6
17.5°	703.1	704.4	698.6	691.3	689.6	690.0	689.6	690.8	696.6	701.9	701.9
20°	707.2	708.1	700.3	691.3	689.6	690.0	689.6	692.1	699.5	706.8	707.2
22.5°	708.5	709.3	701.9	694.1	692.9	693.3	692.9	695.4	702.3	709.7	709.7
25°	708.9	710.1	704.4	698.2	700.3	701.1	700.3	700.7	706.0	712.6	712.2
27.5°	715.0	716.7	711.3	706.0	707.2	706.8	708.1	709.3	713.4	720.0	718.3
30°	727.7	729.0	724.5	719.1	718.3	715.4	719.1	723.2	727.7	733.5	732.3
32.5°	748.7	751.1	745.4	739.6	735.9	734.3	737.2	744.1	750.3	756.4	754.0
35°	783.5	785.1	779.8	769.2	762.6	762.6	765.1	774.1	783.9	791.7	788.8
37.5°	832.7	834.8	825.3	812.6	802.8	802.8	806.1	815.5	830.2	841.3	837.2
40°	892.6	895.4	883.5	870.4	861.0	859.4	863.5	874.1	888.1	902.0	897.5
42.5°	964.7	968.0	952.4	940.9	933.6	933.6	935.6	945.5	958.2	975.4	974.2
45°	1057.0	1062.7	1041.4	1029.9	1022.9	1024.6	1025.8	1034.4	1045.9	1065.6	1064.8
47.5°	1166.9	1172.6	1150.0	1138.2	1136.9	1144.7	1139.8	1145.9	1152.1	1174.6	1168.1
50°	1291.5	1301.3	1285.8	1284.9	1287.4	1301.7	1290.3	1293.5	1286.6	1300.9	1292.3
52.5°	1444.0	1458.4	1455.5	1460.4	1487.9	1517.4	1491.2	1479.7	1453.4	1457.9	1442.8
55°	1628.9	1650.6	1654.7	1684.3	1746.6	1806.9	1751.1	1704.8	1649.0	1638.8	1622.8
57.5°	1839.2	1856.5	1876.1	1936.4	2052.9	2159.9	2052.9	1950.4	1862.6	1841.7	1826.9
60°	2065.6	2086.9	2105.7	2194.7	2367.7	2518.2	2364.5	2201.7	2085.7	2057.4	2032.8
62.5°	2308.7	2336.2	2349.3	2448.1	2649.8	2829.4	2652.7	2455.5	2326.7	2296.4	2271.8
65°	2542.0	2564.5	2579.3	2684.7	2877.4	3057.3	2890.5	2696.1	2563.7	2523.9	2504.3
67.5°	2650.6	2662.9	2699.0	2818.3	3021.7	3227.1	3056.1	2831.0	2683.0	2613.3	2614.1
70°	2491.6	2466.5	2553.5	2744.5	3038.9	3331.2	3078.3	2738.8	2557.6	2444.4	2471.5
72.5°	1925.3	1882.3	2033.2	2359.9	2842.1	3264.8	2861.8	2378.4	2127.1	1897.5	1954.5
75°	1047.5	998.8	1207.0	1620.3	2266.5	2829.8	2318.5	1666.6	1344.0	1039.8	1107.4
77.5°	295.6	277.2	445.3	783.9	1363.2	1986.8	1415.7	801.1	528.1	313.2	348.1
80°	90.6	87.7	118.9	236.2	578.9	951.6	556.4	239.0	151.3	95.5	100.9
82.5°	53.7	49.2	59.0	86.1	147.6	298.9	143.5	89.8	72.2	48.4	52.5
85°	30.7	28.7	34.8	41.8	49.6	63.5	41.4	42.6	38.5	25.8	27.1
87.5°	12.7	11.5	13.5	13.1	11.5	14.8	11.1	13.1	15.6	10.2	9.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

0

(END OF REPORT)