

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P526475

Luminaire Tested: **GALN-SA1B-830-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-830-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2732 lumens
Efficiency: N/A
Efficacy: 62.1 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

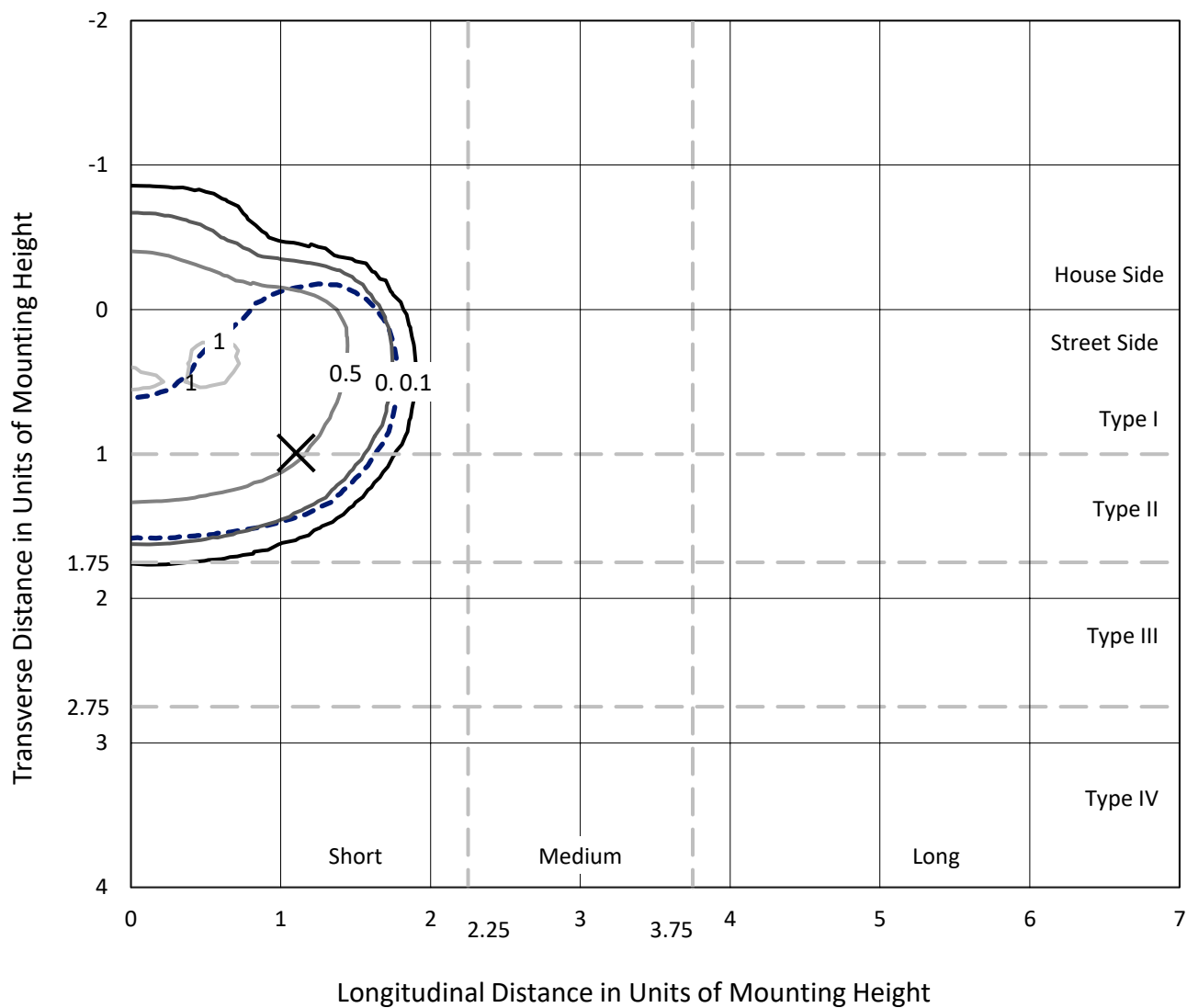
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526475
 CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

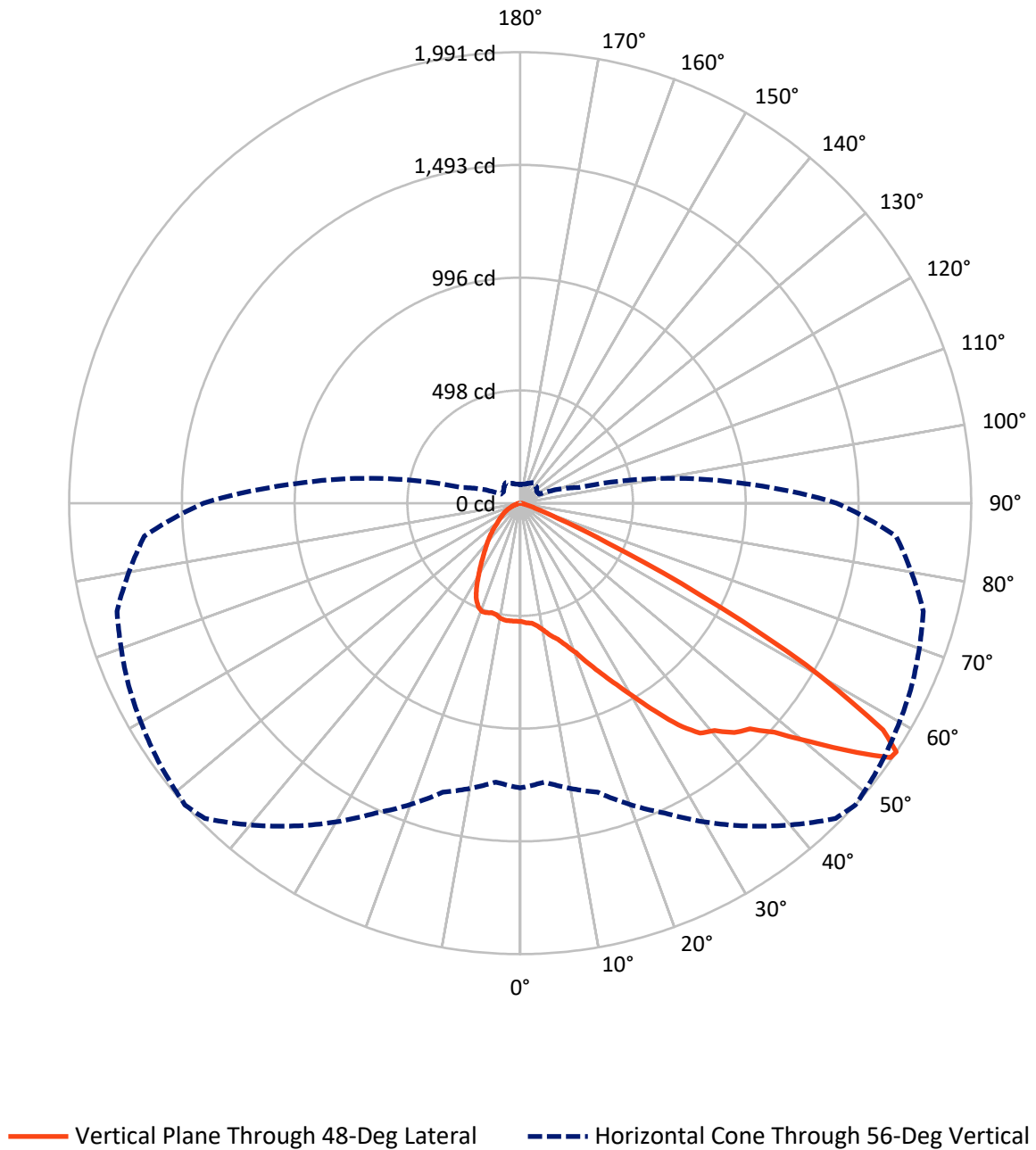
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

REPORT NUMBER: P526475
CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526475

CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	594.2	0.0	594.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2137.8	0.0	2137.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	2732.0	0.0	2732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.9
10°-20°	162.4	5.9
20°-30°	294.6	10.8
30°-40°	462.8	16.9
40°-50°	675.2	24.7
50°-60°	813.5	29.8
60°-70°	238.2	8.7
70°-80°	30.2	1.1
80°-90°	4.2	0.2
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°	2732.0	100.0
0°-180°	2732.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526475

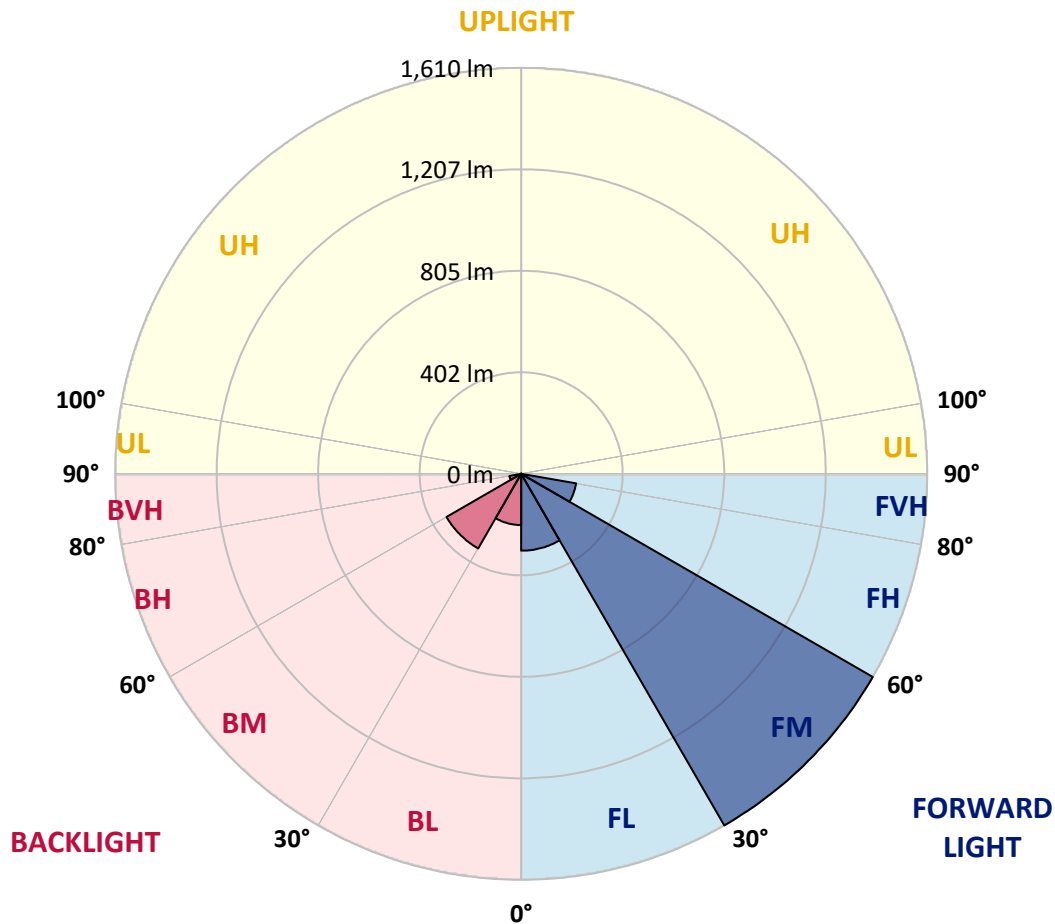
CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	304.8	11.2			
FM	(30°-60°)	1609.7	58.9			
FH	(60°-80°)	221.2	8.1			G0/660
FVH	(80°-90°)	2.1	0.1			G0/10
BL	(0°-30°)	203.1	7.4	B1/500		
BM	(30°-60°)	341.8	12.5	B1/1000		
BH	(60°-80°)	47.2	1.7	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			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



REPORT NUMBER: P526475

CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	521.8	521.8	521.8	521.8	521.8	521.8	521.8	521.8	521.8	521.8	521.8
2.5°	531.3	528.8	528.8	524.8	529.3	527.3	528.8	523.8	528.8	521.3	527.3
5°	533.8	534.2	532.3	534.7	534.7	537.7	532.8	537.2	539.7	534.2	531.8
7.5°	546.7	547.7	547.2	545.2	549.2	548.7	548.2	544.7	545.7	543.7	540.7
10°	572.1	571.6	574.0	569.1	566.1	569.6	570.6	565.1	561.1	559.6	550.2
12.5°	608.9	602.9	599.4	594.4	595.9	591.0	599.9	590.5	588.5	579.5	570.1
15°	638.7	637.7	638.2	630.3	621.3	623.3	623.3	618.3	615.3	604.4	591.0
17.5°	699.9	679.0	683.5	673.5	666.1	665.6	661.1	662.1	654.1	631.2	610.9
20°	747.7	738.7	731.7	714.8	703.4	706.9	704.9	699.9	697.4	667.6	638.7
22.5°	790.4	793.4	782.0	777.5	761.6	763.1	767.1	762.6	743.7	712.8	670.0
25°	850.6	847.1	831.7	826.2	811.3	816.8	832.2	828.7	816.8	761.1	694.4
27.5°	921.8	909.8	912.8	887.9	873.5	888.9	907.3	924.7	890.9	817.8	723.3
30°	972.0	959.6	958.6	957.6	954.1	972.0	993.4	1009.3	981.9	874.5	771.0
32.5°	996.9	999.9	1008.3	1005.3	1035.7	1072.5	1094.9	1117.7	1083.4	967.0	834.2
35°	1063.0	1044.1	1063.0	1065.0	1096.4	1174.5	1202.8	1257.5	1249.1	1097.8	911.3
37.5°	1101.8	1100.3	1102.8	1121.7	1152.1	1248.6	1288.9	1331.1	1315.2	1176.4	1007.3
40°	1166.0	1170.0	1169.5	1183.9	1217.2	1304.3	1320.7	1355.0	1356.5	1285.4	1148.6
42.5°	1269.0	1253.0	1242.6	1257.5	1304.3	1352.5	1385.4	1378.4	1427.6	1417.7	1330.2
45°	1361.5	1370.9	1355.5	1380.4	1397.3	1423.2	1422.2	1437.1	1499.8	1547.0	1466.9
47.5°	1448.0	1454.0	1461.5	1478.4	1515.2	1519.2	1510.7	1504.3	1590.8	1639.6	1572.9
50°	1499.8	1505.2	1540.1	1570.4	1639.1	1648.0	1653.0	1636.6	1695.3	1700.7	1672.9
52.5°	1485.8	1491.8	1540.6	1640.6	1750.0	1832.1	1817.1	1789.3	1785.8	1807.2	1765.4
55°	1362.5	1357.0	1424.2	1579.9	1784.8	1981.8	1983.8	1954.4	1898.2	1883.8	1751.5
56°	1257.5	1236.1	1321.7	1509.7	1740.0	1968.9	1991.2	1959.9	1907.2	1842.5	1665.4
57.5°	1030.2	1050.6	1135.7	1291.4	1585.3	1875.8	1888.8	1881.3	1841.5	1733.1	1465.5
60°	568.1	603.9	679.0	869.5	1128.7	1439.6	1450.0	1510.7	1518.2	1327.2	1008.3
62.5°	241.3	237.3	315.4	455.7	642.7	869.0	888.4	950.6	962.0	765.1	505.9
65°	98.0	103.5	142.8	229.3	339.8	396.0	423.3	443.7	481.5	315.9	186.5
67.5°	64.7	64.2	84.1	130.8	183.1	176.6	176.6	186.5	172.6	128.8	80.6
70°	46.3	47.8	60.2	90.5	113.9	84.6	81.1	77.6	88.0	85.1	65.2
72.5°	30.3	32.3	40.3	54.2	59.2	46.3	46.3	55.7	72.6	68.6	53.2
75°	19.9	20.4	24.9	31.3	29.3	23.9	26.4	37.3	52.7	50.7	37.8
77.5°	13.4	13.9	16.9	20.4	16.4	13.4	14.4	18.9	25.9	25.9	19.9
80°	5.0	5.5	7.0	6.5	7.5	9.5	10.4	12.9	15.4	15.4	13.4
82.5°	0.0	0.5	1.5	3.5	5.5	7.5	8.5	9.9	11.4	12.9	12.4
85°	0.0	0.5	1.5	2.5	4.0	4.5	5.0	3.5	3.0	3.0	2.5
87.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	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

REPORT NUMBER: P526475

CATALOG NUMBER: GALN-SA1B-830-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	521.8	521.8	521.8	521.8	521.8	521.8	521.8	521.8	521.8	521.8	521.8
2.5°	521.8	521.3	521.3	519.8	522.8	521.3	522.3	521.8	515.3	520.3	516.8
5°	527.3	530.8	525.3	524.3	520.3	521.8	521.8	516.8	521.3	520.8	519.8
7.5°	541.2	535.2	529.3	523.3	522.3	520.8	515.3	513.4	516.8	512.9	518.8
10°	547.2	548.2	539.2	531.3	523.8	513.4	505.9	501.4	495.9	501.9	505.4
12.5°	574.5	564.6	549.2	536.7	511.4	500.9	493.5	491.5	500.9	502.9	499.4
15°	584.0	582.5	562.6	534.7	508.4	495.9	497.4	493.5	494.5	489.5	490.5
17.5°	603.4	586.5	563.1	528.3	507.9	504.9	495.9	480.0	471.1	467.1	470.6
20°	624.8	608.4	574.5	530.8	512.4	504.4	475.1	455.7	437.2	427.3	427.8
22.5°	643.7	623.3	569.6	531.8	516.3	483.5	448.2	409.9	387.0	371.6	372.1
25°	666.6	637.7	571.6	533.8	505.9	450.2	399.4	362.1	334.8	324.3	327.8
27.5°	679.5	646.7	582.5	538.2	478.5	402.9	348.2	313.4	297.5	292.5	292.0
30°	718.3	666.6	595.9	529.3	432.8	352.2	301.4	280.1	264.6	260.2	261.2
32.5°	776.0	702.9	613.3	505.9	386.0	306.9	271.1	255.2	240.8	232.3	231.3
35°	824.3	765.1	631.7	469.6	331.8	272.1	249.7	229.8	207.9	198.5	196.0
37.5°	916.3	835.2	627.8	414.9	280.1	246.2	226.8	202.5	183.6	170.6	169.1
40°	1038.7	917.3	608.4	348.2	241.8	223.3	202.5	179.1	155.7	144.8	143.8
42.5°	1187.4	1017.8	573.0	280.6	203.5	200.5	181.6	154.7	133.8	125.9	126.3
45°	1308.3	1103.8	537.2	225.3	175.1	178.1	161.7	136.3	121.9	115.4	115.4
47.5°	1415.7	1162.0	498.4	186.0	148.7	155.7	141.3	126.3	113.9	108.9	107.9
50°	1519.2	1221.2	459.6	150.7	126.8	133.8	132.3	120.4	110.4	104.5	105.0
52.5°	1583.8	1230.7	410.4	123.4	110.9	118.9	123.9	112.9	102.0	98.5	97.5
55°	1504.8	1108.8	318.4	101.5	94.0	104.5	113.9	101.5	93.0	87.1	86.6
56°	1398.3	991.4	266.1	93.5	89.0	100.5	110.4	97.0	87.5	84.1	81.6
57.5°	1183.9	811.3	196.5	83.1	82.6	93.5	105.0	92.5	81.6	78.6	78.6
60°	738.2	456.6	118.9	69.6	71.6	83.1	94.5	82.6	72.6	72.6	74.1
62.5°	336.3	190.0	72.1	59.2	61.7	71.6	84.1	74.6	69.1	74.6	75.6
65°	114.4	82.1	52.2	47.3	48.7	59.2	72.1	75.6	75.1	78.6	80.6
67.5°	64.2	52.7	43.8	39.3	38.3	43.8	59.2	75.6	72.6	71.1	72.1
70°	54.2	44.8	38.8	34.8	33.3	35.3	45.8	57.2	51.2	49.7	48.7
72.5°	43.8	37.3	33.8	31.3	26.9	22.9	20.9	21.9	24.4	25.9	28.4
75°	30.8	28.4	28.4	25.4	19.4	14.4	11.4	9.5	6.5	4.5	5.0
77.5°	17.4	17.4	17.9	15.4	12.4	9.5	7.0	5.0	2.5	1.0	0.5
80°	11.9	12.9	13.9	12.4	10.4	8.5	6.0	3.5	1.5	0.0	0.0
82.5°	11.9	13.4	14.4	12.4	10.4	8.0	6.0	3.5	1.5	0.5	0.0
85°	2.5	3.0	3.5	4.0	6.0	6.0	4.5	3.0	1.5	0.5	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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)