

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: P528338

Luminaire Tested: **GALN-SA3B-830-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-830-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11419 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 121
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

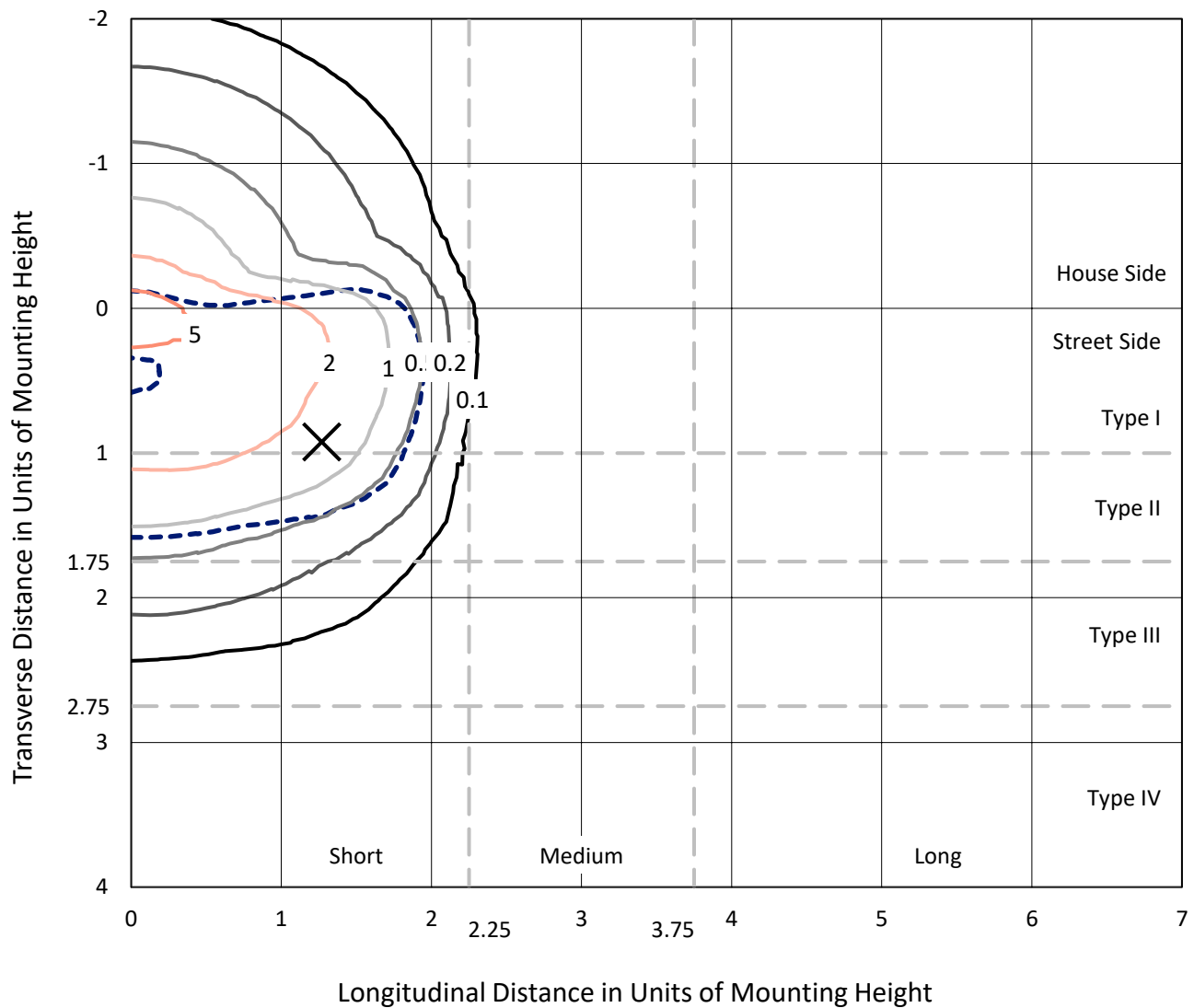


REPORT NUMBER: P528338

CATALOG NUMBER: GALN-SA3B-830-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

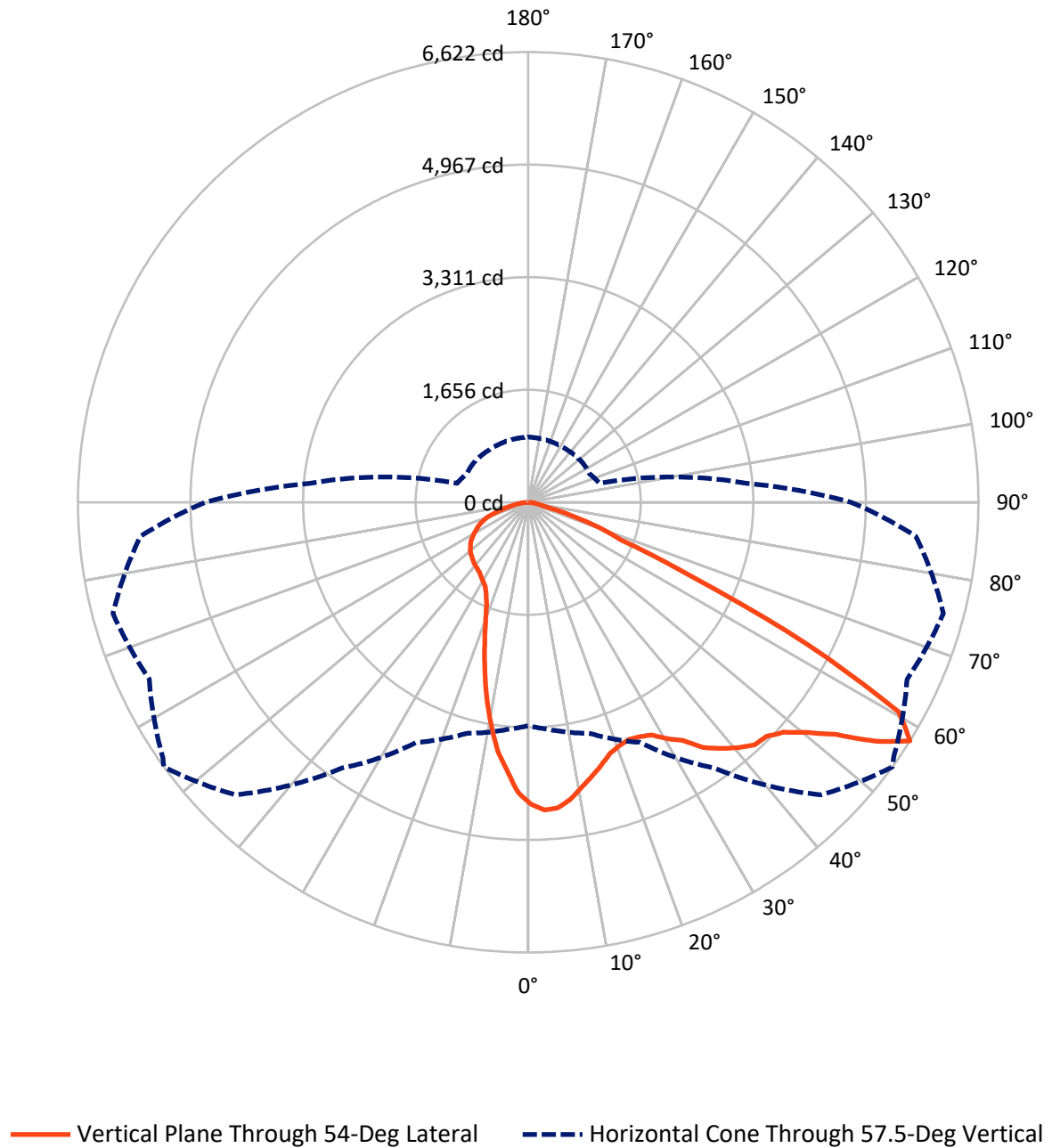


Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

REPORT NUMBER: P528338

CATALOG NUMBER: GALN-SA3B-830-U-SL3-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P528338

CATALOG NUMBER: GALN-SA3B-830-U-SL3-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3159.1	0.0	3159.1
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	8259.9	0.0	8259.9
	% Fixture	72.3	0.0	72.3
Total	Lumens	11419.0	0.0	11419.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.8	3.4
10°-20°	886.3	7.8
20°-30°	1245.2	10.9
30°-40°	1740.8	15.2
40°-50°	2356.7	20.6
50°-60°	2870.6	25.1
60°-70°	1495.1	13.1
70°-80°	383.1	3.4
80°-90°	58.4	0.5
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°	11419.0	100.0
0°-180°	11419.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528338

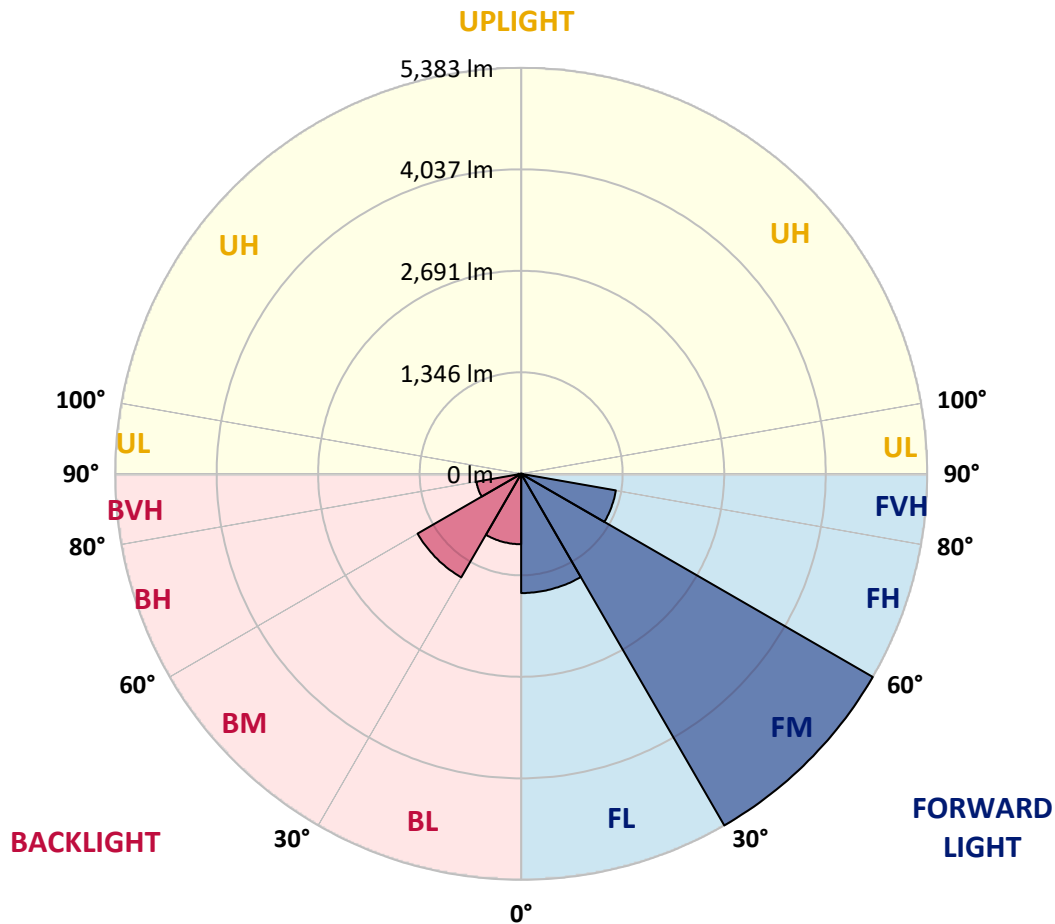
CATALOG NUMBER: GALN-SA3B-830-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1580.5	13.8			
FM	(30°-60°)	5382.6	47.1			
FH	(60°-80°)	1274.7	11.2			G1/1800
FVH	(80°-90°)	22.1	0.2			G1/100
BL	(0°-30°)	933.7	8.2	B2/1000		
BM	(30°-60°)	1585.5	13.9	B2/2500		
BH	(60°-80°)	603.6	5.3	B2/1000		G2/1000
BVH	(80°-90°)	36.4	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



REPORT NUMBER: P528338

CATALOG NUMBER: GALN-SA3B-830-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4
2.5°	4564.7	4547.0	4550.0	4573.5	4544.1	4532.4	4532.4	4475.1	4479.5	4439.9	4429.6
5°	4459.0	4417.9	4445.8	4481.0	4486.9	4498.6	4517.7	4503.0	4461.9	4419.4	4350.4
7.5°	4183.0	4219.7	4230.0	4255.0	4307.8	4356.2	4416.4	4375.3	4373.9	4331.3	4290.2
10°	3940.9	3918.9	3974.6	4011.3	4099.4	4180.1	4272.6	4268.2	4290.2	4241.8	4171.3
12.5°	3700.2	3682.6	3709.0	3792.6	3915.9	4033.3	4143.4	4102.3	4219.7	4210.9	4059.8
15°	3444.8	3458.0	3496.1	3573.9	3735.4	3876.3	4015.7	4017.2	4121.4	4156.6	3954.1
17.5°	3265.7	3251.0	3299.5	3415.4	3559.3	3728.1	3886.6	3918.9	4078.8	4099.4	3921.8
20°	3132.1	3152.7	3215.8	3274.5	3440.4	3644.4	3823.5	3835.2	4070.0	4125.8	3870.4
22.5°	3099.9	3088.1	3108.7	3204.1	3340.6	3562.2	3789.7	3833.7	4068.6	4117.0	3773.5
25°	3066.1	3104.3	3102.8	3198.2	3298.0	3496.1	3817.6	3866.0	4146.4	4162.5	3786.8
27.5°	3142.4	3138.0	3179.1	3186.5	3309.7	3513.8	3876.3	3913.0	4275.5	4262.3	3797.0
30°	3218.7	3196.7	3221.7	3308.3	3365.5	3615.0	4037.7	4034.8	4442.8	4434.0	3829.3
32.5°	3312.7	3302.4	3318.6	3394.9	3491.7	3750.1	4174.2	4260.8	4613.1	4668.9	3940.9
35°	3330.3	3372.9	3411.0	3513.8	3651.7	3968.8	4431.1	4503.0	4809.8	4984.4	4153.7
37.5°	3441.8	3458.0	3547.5	3729.5	3855.7	4260.8	4594.0	4639.5	4988.8	5187.0	4378.3
40°	3560.7	3579.8	3714.8	3905.6	4078.8	4451.6	4746.7	4761.3	5046.1	5342.6	4525.0
42.5°	3722.2	3739.8	3873.4	4112.6	4344.5	4614.6	4881.7	4897.8	5041.7	5521.6	4758.4
45°	3889.5	3932.1	4089.1	4360.6	4569.1	4805.4	4912.5	4978.6	5082.8	5681.6	4947.7
47.5°	4124.3	4164.0	4293.1	4558.8	4802.4	4972.7	5054.9	5119.5	5181.1	5821.0	5069.6
50°	4373.9	4381.2	4538.2	4778.9	4958.0	5162.0	5320.5	5342.6	5310.3	5982.5	5276.5
52.5°	4557.3	4580.8	4702.6	4937.5	5204.6	5455.6	5672.8	5696.3	5633.2	6042.7	5347.0
55°	4253.5	4240.3	4438.4	4751.1	5370.4	5893.0	6208.5	6226.1	5868.0	6229.1	5577.4
57.5°	3287.7	3350.8	3519.6	3896.8	4771.6	6086.7	6622.4	6559.3	6149.8	6323.0	5724.2
60°	2389.5	2374.8	2487.8	2740.3	3596.0	5245.7	6261.4	6325.9	5919.4	5699.2	4720.2
62.5°	1946.2	1925.7	1934.5	1943.3	2320.5	3481.5	4635.1	4633.6	4558.8	4096.5	3183.5
65°	1555.8	1604.2	1608.6	1674.7	1723.1	2079.8	2686.0	2829.8	2464.3	2021.1	1466.3
67.5°	1172.7	1155.1	1213.8	1448.7	1539.7	1501.5	1466.3	1482.4	1053.8	760.3	716.3
70°	691.3	684.0	754.4	1009.8	1268.1	1193.3	1105.2	1106.7	723.6	531.3	591.5
72.5°	378.7	377.2	391.9	512.2	720.7	748.5	663.4	684.0	431.5	430.0	462.3
75°	211.4	207.0	202.5	226.0	259.8	274.5	280.3	283.3	296.5	331.7	344.9
77.5°	77.8	74.9	74.9	86.6	110.1	138.0	174.7	177.6	209.9	240.7	253.9
80°	26.4	29.4	39.6	54.3	73.4	98.3	118.9	121.8	148.2	168.8	173.2
82.5°	16.1	17.6	26.4	38.2	52.8	69.0	88.1	89.5	110.1	123.3	129.2
85°	7.3	8.8	14.7	23.5	33.8	45.5	47.0	47.0	45.5	47.0	44.0
87.5°	0.0	0.0	2.9	2.9	2.9	4.4	5.9	4.4	7.3	8.8	8.8
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: P528338

CATALOG NUMBER: GALN-SA3B-830-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4	4438.4
2.5°	4398.8	4382.7	4332.8	4288.7	4275.5	4216.8	4130.2	4140.5	4077.4	4106.7	4075.9
5°	4338.6	4284.3	4156.6	4102.3	3960.0	3895.4	3851.3	3741.3	3689.9	3679.6	3635.6
7.5°	4184.5	4150.8	3990.8	3844.0	3692.8	3563.7	3397.8	3284.8	3204.1	3182.1	3117.5
10°	4062.7	3987.8	3766.2	3543.1	3327.4	3102.8	2887.0	2718.2	2636.1	2540.7	2508.4
12.5°	3942.3	3829.3	3529.9	3243.7	2964.8	2681.6	2420.3	2214.8	2035.8	1993.2	1978.5
15°	3867.5	3670.8	3318.6	2973.6	2577.3	2207.5	1946.2	1811.2	1701.1	1655.6	1687.9
17.5°	3769.1	3540.2	3116.0	2656.6	2220.7	1880.2	1661.5	1577.8	1538.2	1542.6	1529.4
20°	3645.9	3416.9	2850.3	2368.9	1902.2	1630.7	1505.9	1475.1	1480.9	1491.2	1486.8
22.5°	3557.8	3267.2	2658.1	2075.4	1643.9	1492.7	1441.3	1419.3	1438.4	1447.2	1439.8
25°	3490.3	3139.5	2424.7	1815.6	1494.2	1414.9	1391.4	1389.9	1419.3	1431.0	1423.7
27.5°	3428.6	3020.6	2192.8	1617.4	1394.3	1354.7	1347.4	1365.0	1384.1	1395.8	1406.1
30°	3391.9	2929.6	1975.6	1451.6	1344.4	1325.4	1312.2	1328.3	1338.6	1350.3	1344.4
32.5°	3427.2	2865.0	1765.7	1357.7	1303.3	1284.3	1301.9	1291.6	1309.2	1319.5	1303.3
35°	3537.2	2807.8	1616.0	1307.8	1256.4	1263.7	1266.7	1262.3	1269.6	1260.8	1279.9
37.5°	3645.9	2787.2	1478.0	1265.2	1234.4	1234.4	1231.4	1222.6	1237.3	1234.4	1243.2
40°	3783.8	2800.4	1360.6	1219.7	1213.8	1210.9	1199.1	1197.7	1191.8	1193.3	1196.2
42.5°	3904.2	2829.8	1293.1	1190.3	1194.7	1200.6	1178.6	1161.0	1168.3	1153.6	1153.6
45°	4031.9	2856.2	1232.9	1169.8	1165.4	1163.9	1146.3	1136.0	1130.2	1131.6	1144.8
47.5°	4233.0	2894.4	1187.4	1141.9	1144.8	1122.8	1118.4	1105.2	1111.1	1119.9	1121.4
50°	4375.3	2975.1	1152.2	1109.6	1119.9	1105.2	1078.8	1072.9	1072.9	1087.6	1084.7
52.5°	4475.1	3088.1	1118.4	1074.4	1078.8	1067.0	1058.2	1045.0	1036.2	1056.8	1067.0
55°	4780.4	3276.0	1109.6	1045.0	1043.6	1031.8	1015.7	1002.5	998.1	1001.0	1021.5
57.5°	4751.1	3217.3	1081.7	993.7	990.7	974.6	958.4	954.0	952.6	955.5	961.4
60°	3857.2	2376.3	965.8	934.9	930.5	927.6	911.5	893.9	885.0	893.9	886.5
62.5°	2552.4	1591.0	851.3	864.5	867.4	860.1	833.7	816.1	819.0	829.3	813.1
65°	1253.4	934.9	772.0	807.3	810.2	789.6	764.7	744.1	733.9	742.7	735.3
67.5°	716.3	714.8	707.4	744.1	742.7	722.1	682.5	664.9	647.3	650.2	645.8
70°	607.6	619.4	634.1	656.1	654.6	631.1	584.2	570.9	546.0	543.1	535.7
72.5°	478.5	499.0	531.3	547.5	534.3	504.9	474.1	452.1	430.0	416.8	421.2
75°	355.2	384.5	402.2	412.4	391.9	375.7	350.8	324.4	298.0	286.2	281.8
77.5°	258.3	267.1	283.3	290.6	277.4	261.3	246.6	220.2	195.2	179.1	174.7
80°	180.5	186.4	198.1	198.1	198.1	190.8	171.7	145.3	129.2	114.5	111.5
82.5°	126.2	132.1	143.8	138.0	136.5	127.7	116.0	95.4	77.8	67.5	64.6
85°	44.0	48.4	58.7	70.5	74.9	73.4	66.0	52.8	41.1	33.8	30.8
87.5°	10.3	10.3	11.7	10.3	10.3	11.7	10.3	10.3	10.3	7.3	5.9
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)