

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: P532382

Luminaire Tested: **GALN-SA7D-730-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532382  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7D-730-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43313 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

Input Watts (W): 433  
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

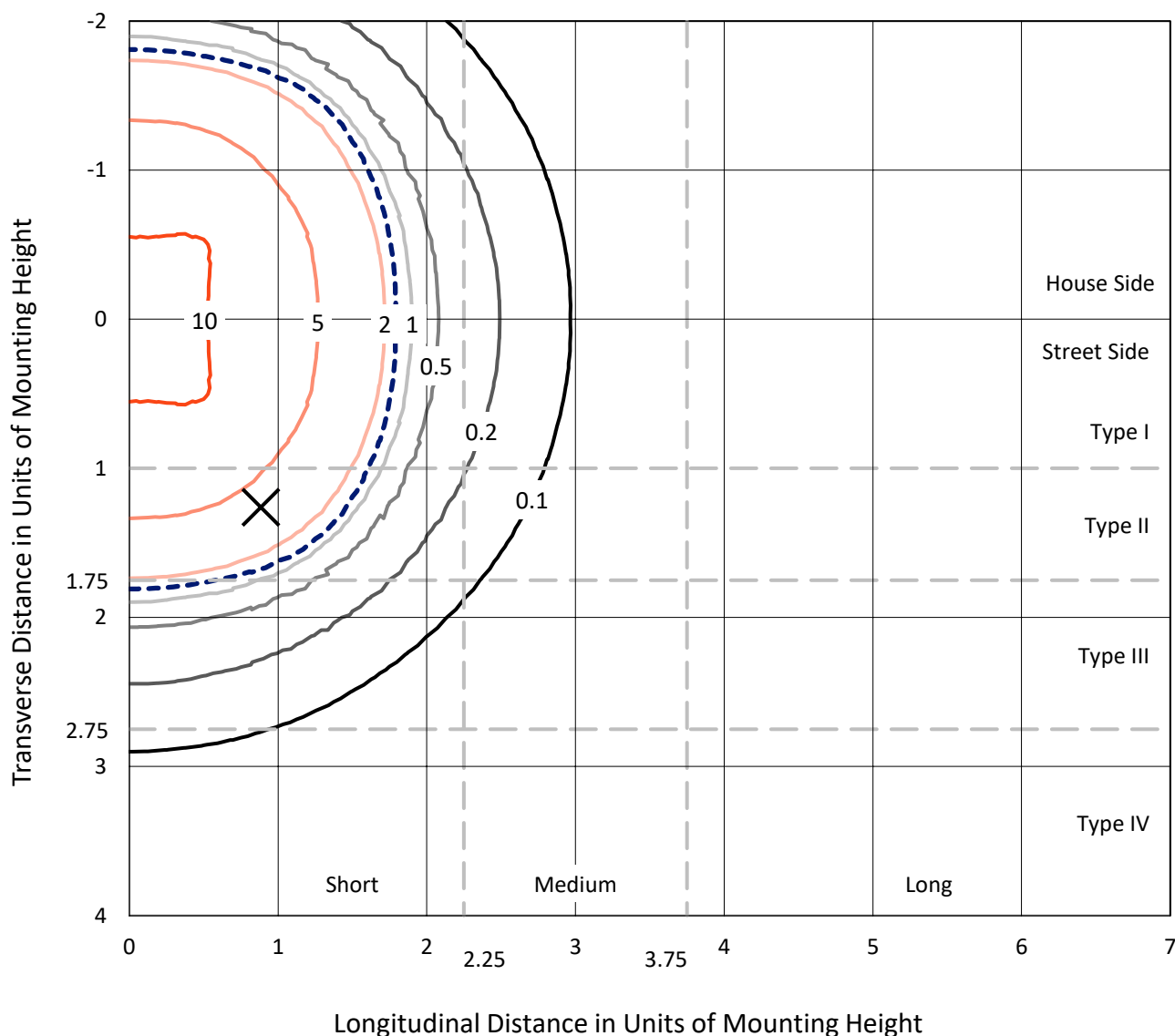


REPORT NUMBER: P532382

CATALOG NUMBER: GALN-SA7D-730-U-5MQ-GRSWH

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

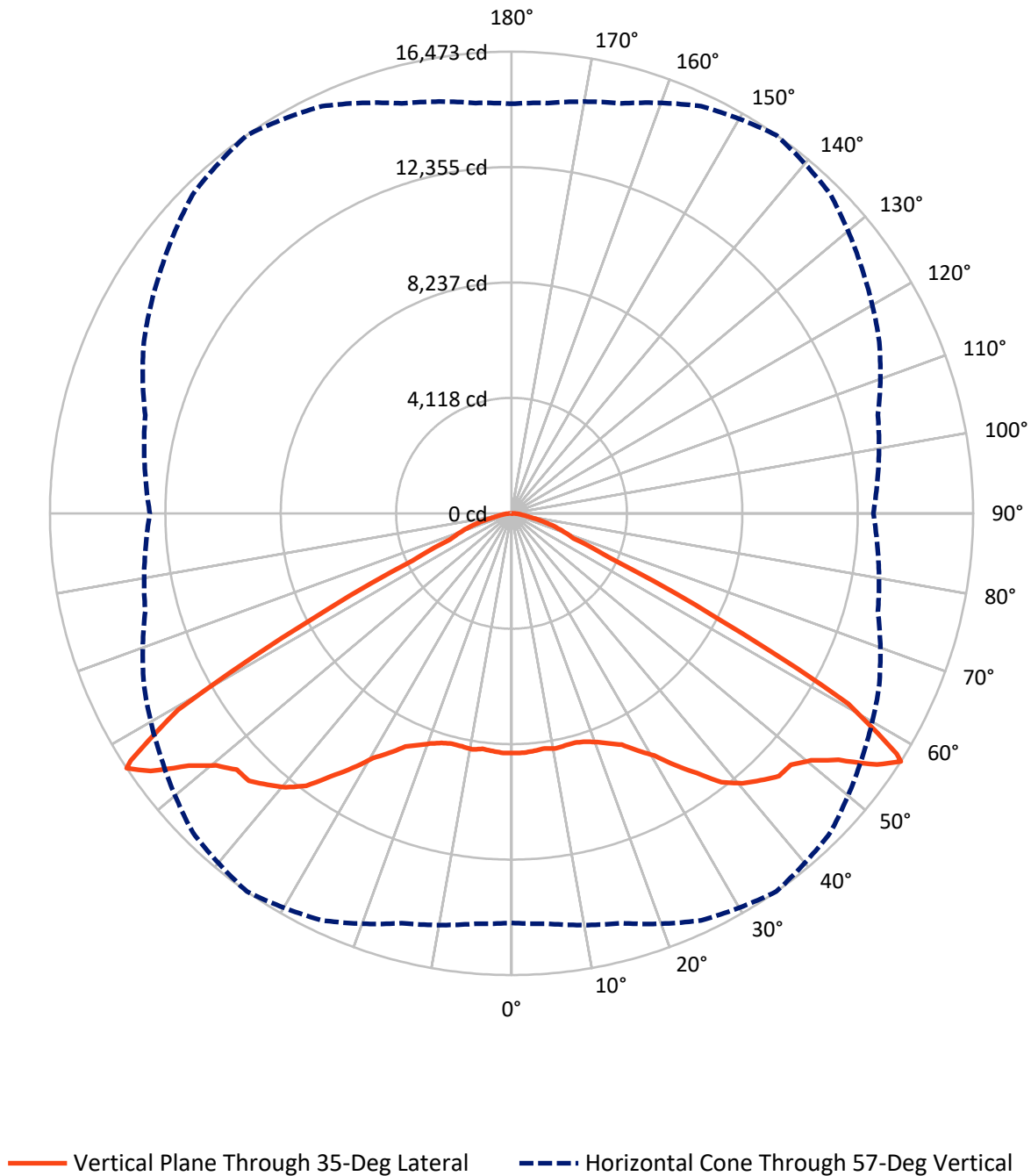


Based on 25 foot mounting height. Maximum calculated value = 13.7 fc

Type V - Short - N/A

REPORT NUMBER: P532382  
CATALOG NUMBER: GALN-SA7D-730-U-5MQ-GRSWH

## Luminous Intensity Polar Plot



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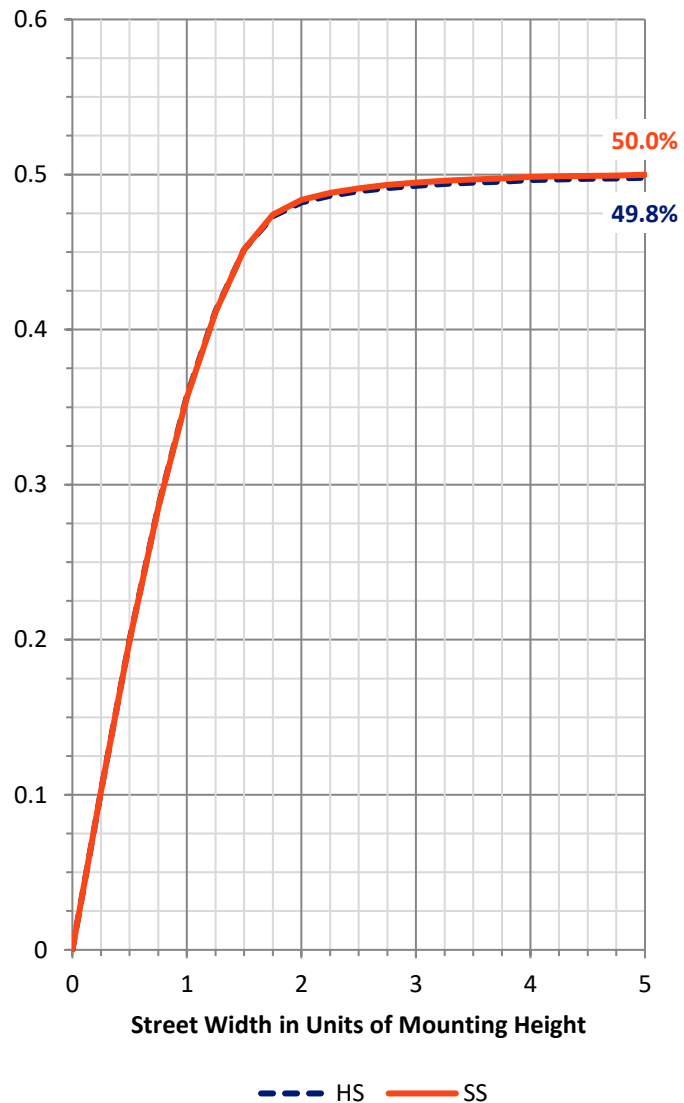
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21656.5	0.0	21656.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	21656.5	0.0	21656.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	43313.0	0.0	43313.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	810.9	1.9
10°-20°	2401.8	5.5
20°-30°	4194.7	9.7
30°-40°	6873.2	15.9
40°-50°	10077.7	23.3
50°-60°	12693.7	29.3
60°-70°	4774.0	11.0
70°-80°	1269.4	2.9
80°-90°	217.7	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°	43313.0	100.0
0°-180°	43313.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P532382

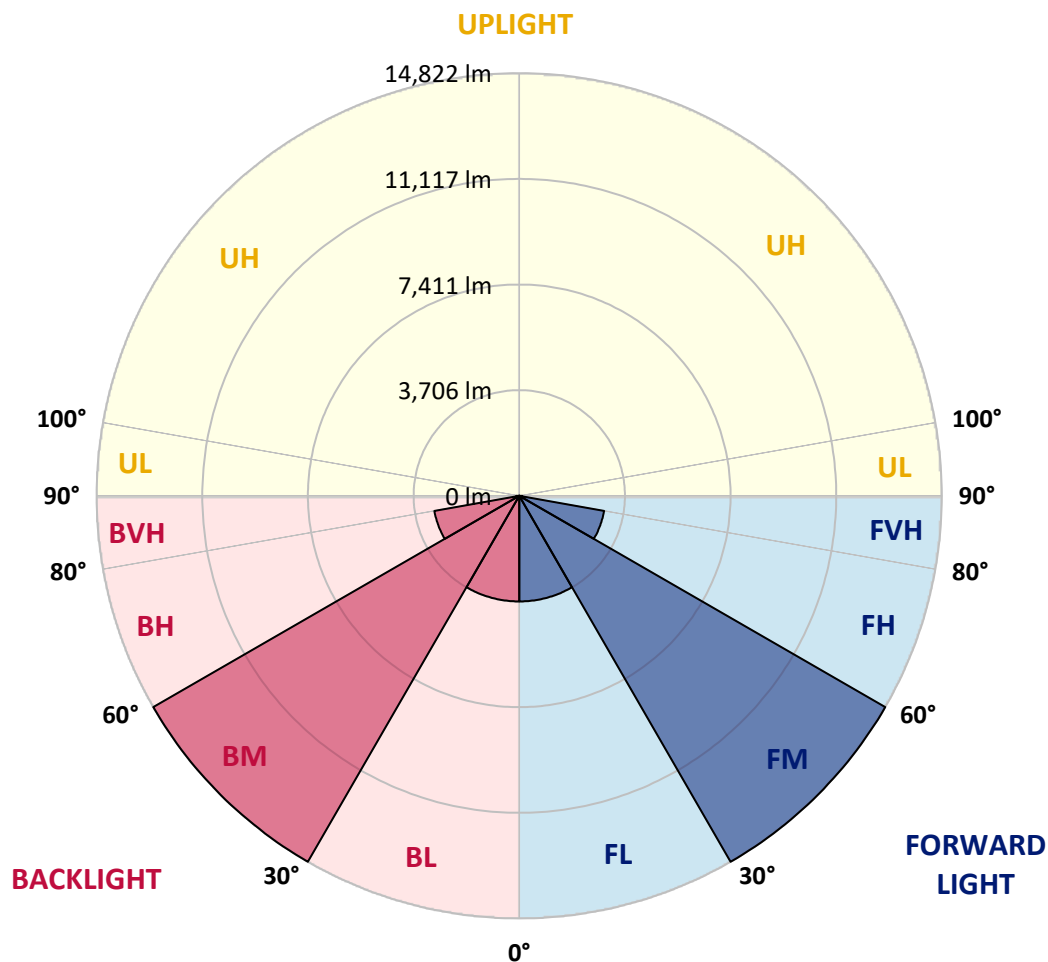
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3703.7	8.6			
FM	(30°-60°)	14822.3	34.2			
FH	(60°-80°)	3021.7	7.0			G2/5000
FVH	(80°-90°)	108.8	0.3			G2/225
BL	(0°-30°)	3703.7	8.6	B4/5000		
BM	(30°-60°)	14822.3	34.2	B5		
BH	(60°-80°)	3021.7	7.0	B4/5000		G2/5000
BVH	(80°-90°)	108.8	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8554.0	8554.0	8554.0	8554.0	8554.0	8554.0	8554.0	8554.0	8554.0	8554.0	8554.0
2.5°	8511.3	8596.7	8559.3	8538.0	8554.0	8527.3	8484.6	8532.7	8522.0	8479.3	8463.3
5°	8490.0	8554.0	8511.3	8554.0	8511.3	8586.0	8564.7	8484.6	8580.7	8490.0	8522.0
7.5°	8474.0	8495.3	8506.0	8484.6	8468.6	8559.3	8511.3	8474.0	8420.6	8404.6	8431.3
10°	8436.6	8490.0	8409.9	8516.6	8538.0	8474.0	8474.0	8404.6	8361.9	8335.2	8425.9
12.5°	8532.7	8441.9	8431.3	8484.6	8500.6	8527.3	8452.6	8415.3	8335.2	8345.9	8329.9
15°	8420.6	8457.9	8463.3	8474.0	8490.0	8554.0	8484.6	8404.6	8372.6	8260.5	8271.2
17.5°	8463.3	8425.9	8463.3	8586.0	8564.7	8612.7	8538.0	8415.3	8340.5	8276.5	8361.9
20°	8538.0	8522.0	8538.0	8687.4	8714.1	8756.8	8692.7	8580.7	8436.6	8361.9	8404.6
22.5°	8618.0	8607.4	8618.0	8762.1	8916.9	8970.2	8906.2	8644.7	8570.0	8431.3	8383.2
25°	8762.1	8772.8	8884.8	9044.9	9146.3	9247.7	9130.3	8943.5	8703.4	8618.0	8516.6
27.5°	9082.3	9109.0	9173.0	9407.8	9583.9	9674.6	9509.2	9253.0	9103.6	8927.5	8900.9
30°	9477.2	9477.2	9589.2	9792.0	10032.1	10170.9	9968.1	9663.9	9482.5	9386.5	9327.8
32.5°	10000.1	9941.4	9984.1	10341.6	10715.2	10832.6	10560.4	10186.9	9898.7	9770.7	9728.0
35°	10448.4	10485.7	10581.8	10966.0	11382.2	11654.4	11227.5	10741.9	10448.4	10331.0	10309.6
37.5°	11030.0	11094.1	11142.1	11670.4	12172.0	12273.4	11862.5	11472.9	11115.4	11019.3	10966.0
40°	11851.8	11809.1	11825.1	12214.7	12668.2	12732.3	12326.7	12049.2	11755.7	11697.0	11697.0
42.5°	12529.5	12481.5	12534.8	12678.9	13025.8	12977.7	12753.6	12550.8	12428.1	12364.1	12428.1
45°	12940.4	12929.7	13025.8	13132.5	13378.0	13217.9	13041.8	13073.8	12956.4	12849.7	12844.3
47.5°	13388.6	13319.3	13436.7	13596.7	13410.0	13335.3	13324.6	13394.0	13356.6	13169.8	13111.2
50°	13607.4	13580.7	13767.5	13954.3	13852.9	13682.1	13719.5	13831.5	13351.3	13100.5	12956.4
52.5°	14194.4	14199.7	14557.3	14658.7	14616.0	14365.2	14445.2	14141.0	13575.4	13223.2	13239.2
55°	15117.6	15080.2	15480.4	15779.3	15827.3	15507.1	15122.9	14696.0	13986.3	13628.8	13522.0
57°	14610.6	14696.0	15138.9	16024.7	16473.0	16094.1	15256.3	14477.2	13532.7	13100.5	12908.4
57.5°	13932.9	14071.7	14840.1	15731.2	16200.8	16168.8	15090.9	14071.7	13228.5	12556.2	12572.2
60°	10208.2	10234.9	10928.6	12342.7	13810.2	13842.2	12529.5	11179.4	10240.3	9509.2	9610.6
62.5°	5384.3	5507.0	5784.5	6921.1	8191.1	8500.6	7705.5	7011.8	6200.7	5645.7	5699.1
65°	2849.6	2833.5	2967.0	3287.1	3911.5	4071.6	3964.8	3415.2	3132.4	3041.7	3047.0
67.5°	2315.9	2342.6	2326.6	2342.6	2385.3	2454.7	2438.7	2460.0	2476.0	2502.7	2497.4
70°	1963.7	1963.7	1974.4	1979.7	1979.7	2011.8	2049.1	2118.5	2123.8	2150.5	2161.2
72.5°	1547.5	1536.8	1552.8	1590.2	1595.5	1622.2	1675.6	1718.3	1734.3	1734.3	1702.3
75°	1051.2	1061.9	1083.3	1115.3	1147.3	1195.3	1238.0	1264.7	1275.4	1259.4	1243.3
77.5°	592.3	603.0	619.0	667.0	704.4	747.1	795.1	821.8	848.5	853.8	821.8
80°	352.2	352.2	378.9	416.2	458.9	501.6	544.3	576.3	587.0	587.0	571.0
82.5°	213.4	218.8	240.1	277.5	314.8	341.5	378.9	405.6	426.9	421.6	410.9
85°	112.1	112.1	133.4	165.4	192.1	218.8	218.8	202.8	192.1	165.4	154.8
87.5°	37.4	32.0	42.7	42.7	37.4	42.7	42.7	48.0	48.0	48.0	48.0
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)