

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: P643753

Luminaire Tested: GWS-SA6F-750-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-750-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29777.4 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

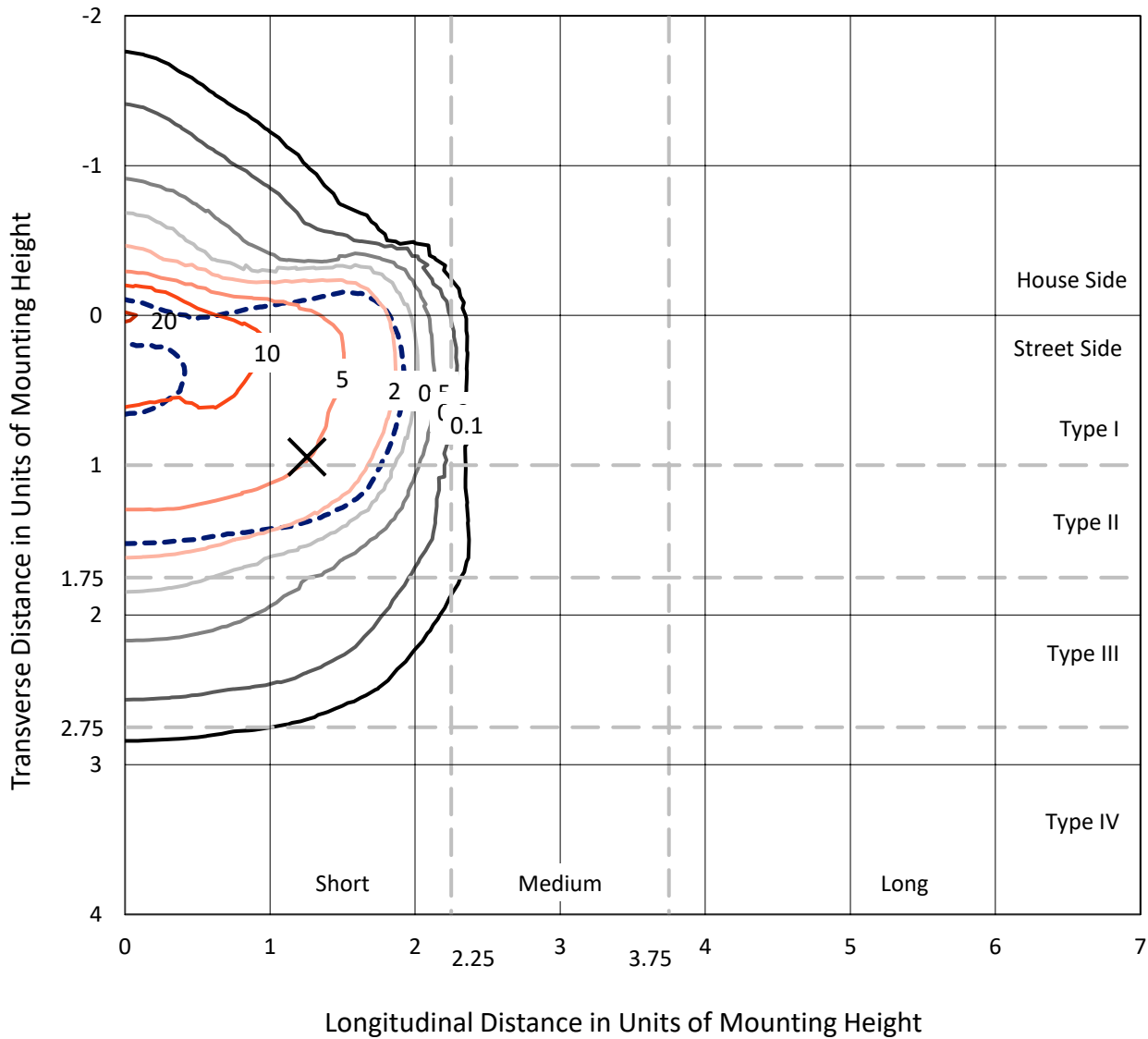
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

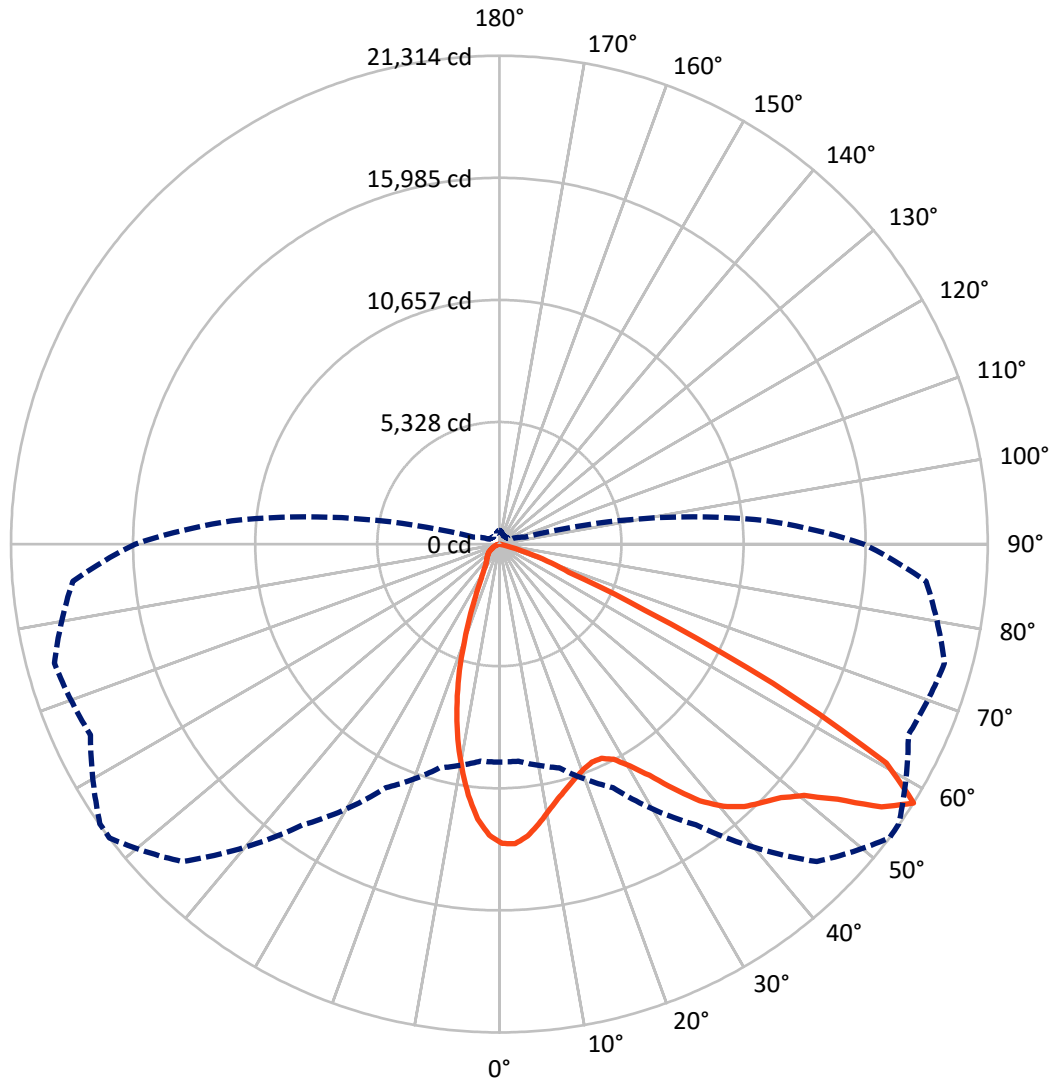
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4918.8	0.0	4918.8
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	24858.6	0.0	24858.6
	% Fixture	83.5	0.0	83.5
Total	Lumens	29777.4	0.0	29777.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1117.6	3.8
10°-20°	2453.5	8.2
20°-30°	3196.2	10.7
30°-40°	4636.2	15.6
40°-50°	6689.7	22.5
50°-60°	8090.6	27.2
60°-70°	3297.4	11.1
70°-80°	296.3	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°	29777.4	100.0
0°-180°	29777.4	100.0

Coefficient of Utilization



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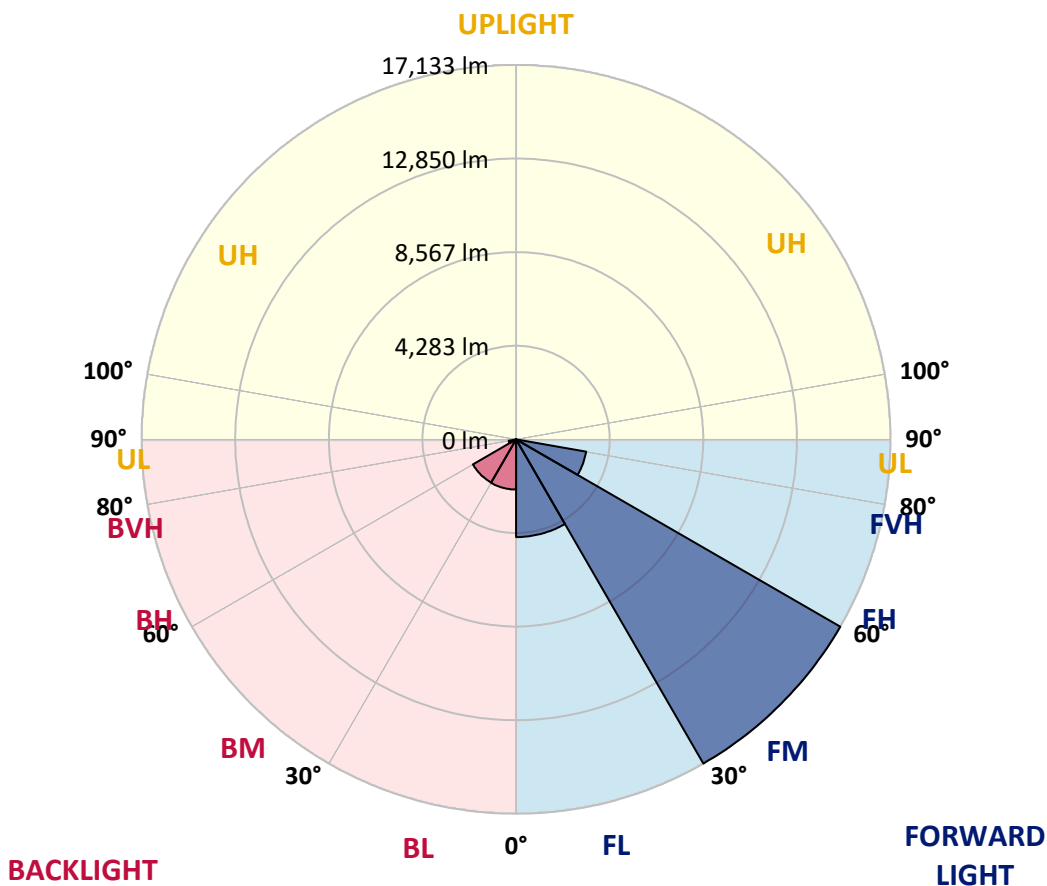
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4471.6	15.0			
FM (30°-60°)	17133.3	57.5			
FH (60°-80°)	3253.7	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	2295.7	7.7	B3/2500		
BM (30°-60°)	2283.1	7.7	B2/2500		
BH (60°-80°)	340.0	1.1	B1/500		G1/500
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: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1
2.5°	12879.6	12908.8	12959.9	13025.6	13069.4	13091.3	13091.3	13153.3	13113.2	13080.3	13043.8
5°	12328.5	12357.7	12427.0	12532.9	12638.7	12715.3	12802.9	12868.6	12894.2	12894.2	12832.1
7.5°	11551.1	11591.3	11635.1	11781.0	12011.0	12182.5	12332.1	12427.0	12565.7	12609.5	12521.9
10°	10715.3	10755.5	10854.0	11054.8	11317.5	11573.0	11828.5	11948.9	12186.2	12310.2	12211.7
12.5°	10007.3	10025.6	10157.0	10397.8	10733.6	11084.0	11394.2	11518.3	11854.0	12040.2	11923.4
15°	9423.4	9434.3	9565.7	9832.1	10219.0	10649.7	11040.2	11167.9	11580.3	11861.3	11686.2
17.5°	8981.8	8985.4	9098.6	9386.9	9792.0	10270.1	10733.6	10890.5	11423.4	11762.8	11500.0
20°	8759.1	8748.2	8828.5	9080.3	9463.5	9941.6	10489.1	10682.5	11335.8	11748.2	11357.7
22.5°	8762.8	8737.2	8770.1	8948.9	9273.7	9722.6	10335.8	10554.8	11343.1	11810.2	11237.2
25°	8970.8	8934.3	8941.6	9036.5	9266.4	9675.2	10357.7	10591.3	11489.1	12018.3	11193.4
27.5°	9321.2	9281.0	9281.0	9328.5	9452.6	9824.8	10631.4	10897.8	11879.6	12423.4	11284.7
30°	9773.7	9733.6	9719.0	9766.4	9868.6	10211.7	11240.9	11518.3	12547.5	13087.6	11576.7
32.5°	10292.0	10244.5	10270.1	10335.8	10434.3	10908.8	12025.6	12394.2	13383.2	13981.8	12102.2
35°	10839.4	10799.3	10916.1	11058.4	11211.7	11875.9	13109.5	13430.7	14408.8	15094.9	12905.1
37.5°	11361.3	11343.1	11587.6	11886.9	12204.4	13036.5	14211.7	14459.9	15288.3	16306.6	13886.9
40°	11883.2	11879.6	12299.3	12824.8	13332.1	14193.5	15047.5	15251.8	15824.8	17248.2	14828.5
42.5°	12467.2	12467.2	13047.5	13748.2	14423.4	15171.6	15660.6	15751.9	16065.7	17792.0	15536.5
45°	13025.6	13058.4	13729.9	14543.8	15343.1	15934.3	16084.0	16091.3	16164.3	18113.2	16124.1
47.5°	13467.2	13496.4	14299.3	15237.3	16098.6	16514.6	16536.5	16503.7	16423.4	18419.7	16576.7
50°	13824.8	13868.6	14708.1	15700.8	16616.8	17073.0	17240.9	17208.1	17003.7	18748.2	16894.2
52.5°	14000.0	14062.1	14850.4	15930.7	17193.5	18029.2	18496.4	18573.0	17872.3	18930.7	17197.1
55°	12598.6	12689.8	13416.1	14894.2	17514.6	19507.3	20240.9	20226.3	18813.9	19474.5	17934.3
57.5°	9514.6	9507.3	10109.5	11726.3	14959.9	19591.3	21313.9	21284.7	19693.5	20105.9	18689.8
60°	6478.1	6434.3	6594.9	7375.9	10459.9	15959.9	19397.8	19792.0	19069.4	18573.0	15868.6
62.5°	5332.1	5292.0	5240.9	5025.6	6007.3	9941.6	13401.5	14000.0	13905.1	12908.8	9952.6
65°	4365.0	4397.8	4540.2	4448.9	4178.8	5098.5	6956.2	7310.2	6682.5	5624.1	3478.1
67.5°	3219.0	3233.6	3419.7	3901.5	3755.5	3394.2	3273.7	3332.1	1952.6	897.8	580.3
70°	1901.5	1912.4	2083.9	2729.9	3047.5	2605.8	2211.7	2178.8	773.7	240.9	262.8
72.5°	1076.6	1054.7	1087.6	1299.3	1660.6	1383.2	1138.7	1036.5	233.6	135.0	135.0
75°	510.9	496.4	427.0	401.5	365.0	233.6	146.0	124.1	58.4	54.7	54.7
77.5°	3.6	10.9	7.3	10.9	10.9	7.3	3.6	3.6	10.9	10.9	14.6
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1	13062.1
2.5°	12978.1	12868.6	12843.1	12835.8	12733.6	12624.1	12511.0	12467.2	12401.5	12361.3	12394.2
5°	12733.6	12576.7	12438.0	12310.2	12084.0	11835.8	11620.5	11481.8	11350.4	11262.8	11284.7
7.5°	12386.9	12182.5	11865.0	11540.2	11124.1	10751.8	10335.8	10080.3	9843.1	9711.7	9773.7
10°	12018.3	11748.2	11240.9	10689.8	10036.5	9452.6	8857.7	8372.3	8091.3	7824.8	7854.0
12.5°	11657.0	11299.3	10540.2	9704.4	8879.6	8018.3	7120.4	6448.9	5989.1	5656.9	5605.8
15°	11321.2	10861.3	9857.7	8755.5	7631.4	6485.4	5339.4	4379.6	3846.7	3518.3	3496.4
17.5°	11021.9	10452.6	9149.7	7762.8	6354.0	4886.9	3569.3	2850.4	2543.8	2401.5	2386.9
20°	10733.6	10040.2	8427.0	6755.5	4959.9	3430.7	2463.5	2131.4	2032.9	1974.5	1981.8
22.5°	10456.2	9591.3	7667.9	5638.7	3719.0	2408.8	1908.8	1781.0	1770.1	1777.4	1781.0
25°	10222.6	9178.8	6886.9	4562.1	2653.3	1835.8	1594.9	1558.4	1591.2	1638.7	1646.0
27.5°	10102.2	8843.1	6124.1	3478.1	1919.7	1492.7	1383.2	1397.8	1456.2	1507.3	1514.6
30°	10135.1	8591.3	5335.8	2521.9	1478.1	1259.1	1222.6	1251.8	1310.2	1357.7	1365.0
32.5°	10368.6	8463.5	4529.2	1835.8	1215.3	1098.5	1083.9	1105.8	1156.9	1193.4	1197.1
35°	10832.1	8492.7	3762.8	1405.1	1043.8	978.1	974.5	989.1	1014.6	1040.1	1043.8
37.5°	11514.6	8729.9	3007.3	1167.9	945.3	897.8	883.2	883.2	901.5	912.4	919.7
40°	12248.2	9087.6	2408.8	1032.8	875.9	824.8	795.6	784.7	799.3	813.9	817.5
42.5°	12854.0	9445.3	1956.2	938.0	821.2	751.8	715.3	708.0	726.3	751.8	759.1
45°	13317.5	9722.6	1631.4	861.3	759.1	682.5	642.3	642.3	675.2	719.0	726.3
47.5°	13740.9	9945.3	1390.5	792.0	700.7	620.4	580.3	587.6	642.3	700.7	711.7
50°	14029.2	10124.1	1211.7	729.9	653.3	569.3	532.8	547.4	613.1	682.5	693.4
52.5°	14339.4	10343.1	1094.9	675.2	609.5	529.2	496.4	507.3	580.3	656.9	671.5
55°	15197.1	11076.7	1091.2	602.2	532.8	474.5	459.9	463.5	536.5	624.1	642.3
57.5°	15897.8	11722.6	1164.2	507.3	445.3	416.1	408.8	412.4	478.1	576.6	598.5
60°	13153.3	9109.5	963.5	419.7	372.3	365.0	354.0	361.3	423.4	510.9	529.2
62.5°	7784.7	5208.0	459.9	321.2	317.5	310.2	299.3	313.9	372.3	448.9	459.9
65°	2660.6	1543.8	292.0	262.8	270.1	259.1	248.2	262.8	313.9	357.7	361.3
67.5°	510.9	408.8	233.6	219.0	222.6	200.7	197.1	211.7	240.9	248.2	244.5
70°	266.4	237.2	178.8	178.8	171.5	142.3	142.3	156.9	156.9	146.0	142.3
72.5°	138.7	131.4	116.8	131.4	109.5	87.6	87.6	94.9	87.6	73.0	73.0
75°	54.7	54.7	51.1	65.7	47.4	40.1	36.5	43.8	32.8	25.5	25.5
77.5°	14.6	14.6	14.6	18.2	10.9	10.9	7.3	7.3	3.6	0.0	0.0
80°	0.0	3.6	0.0	3.6	0.0	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)