

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: P643808

Luminaire Tested: GWS-SA6F-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643808
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29369.3 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

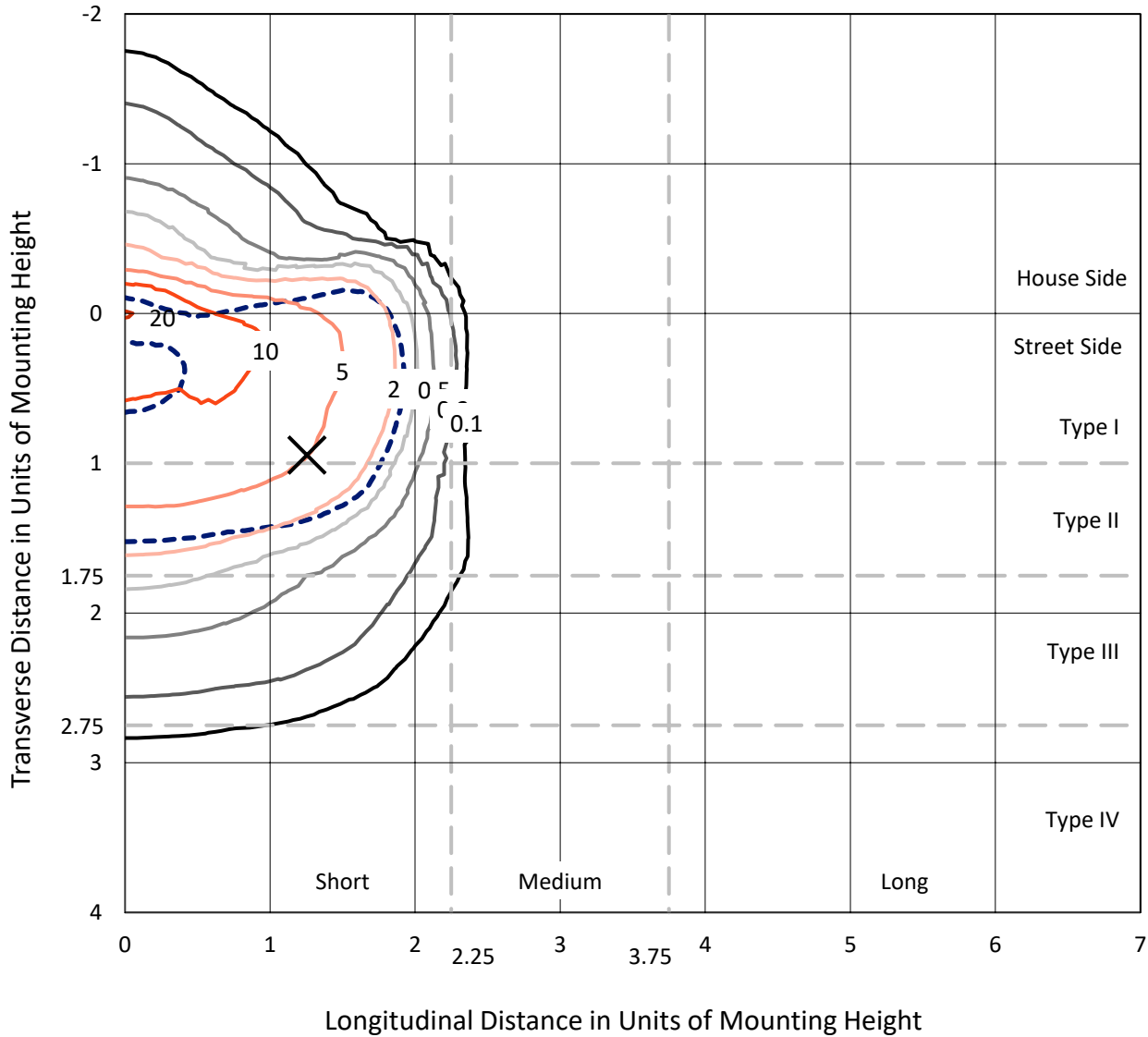
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

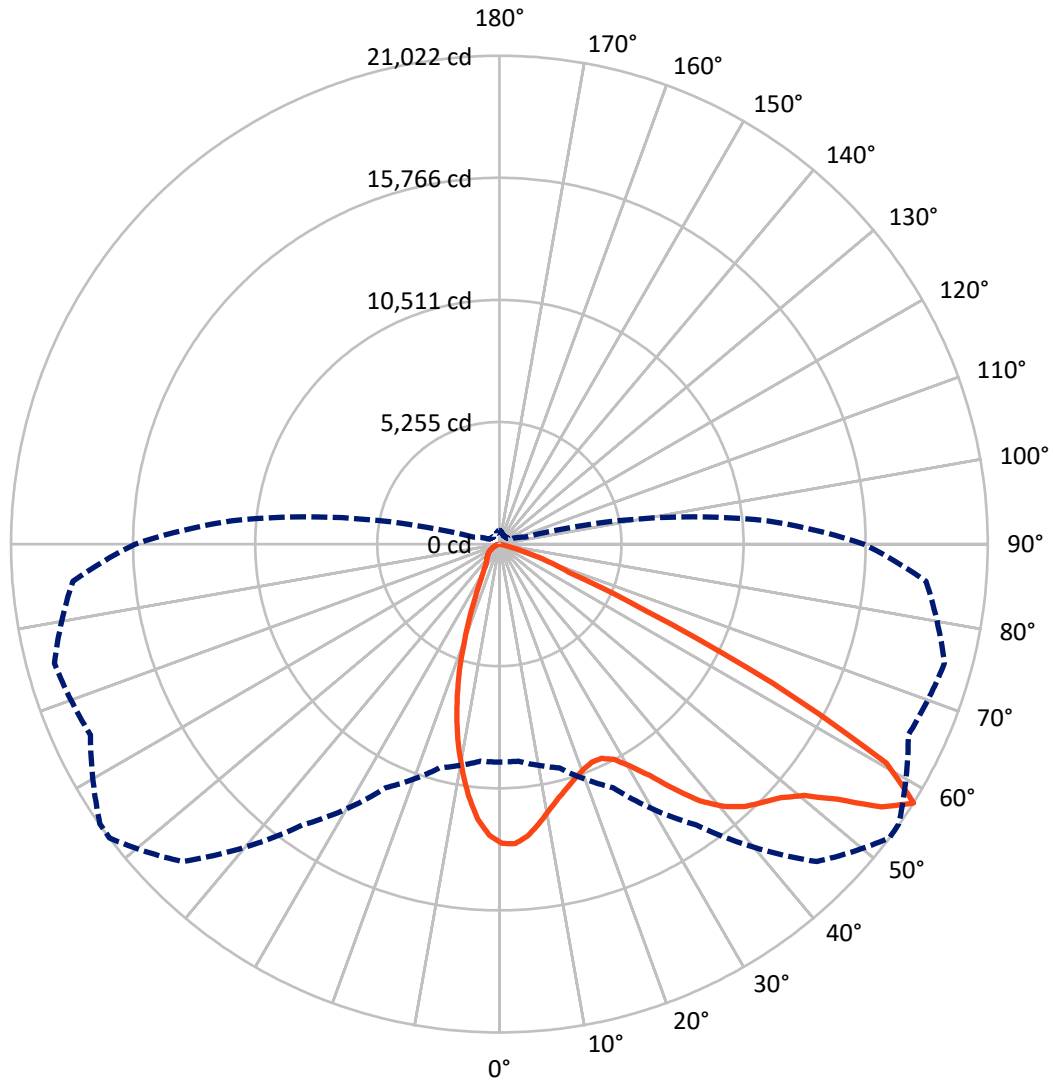
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.6 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	4851.4	0.0	4851.4
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	24517.9	0.0	24517.9
	% Fixture	83.5	0.0	83.5
Total	Lumens	29369.3	0.0	29369.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1102.3	3.8
10°-20°	2419.8	8.2
20°-30°	3152.4	10.7
30°-40°	4572.6	15.6
40°-50°	6598.0	22.5
50°-60°	7979.7	27.2
60°-70°	3252.2	11.1
70°-80°	292.2	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°	29369.3	100.0
0°-180°	29369.3	100.0

Coefficient of Utilization



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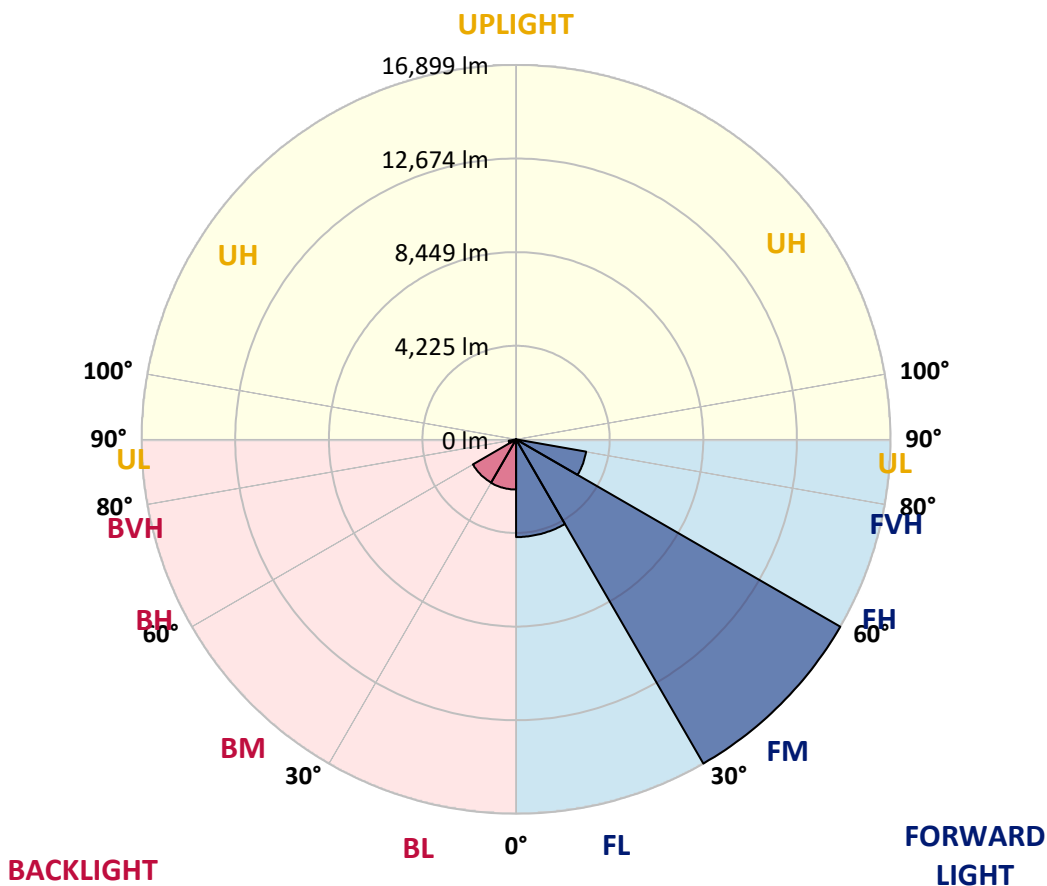
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4410.3	15.0			
FM (30°-60°)	16898.5	57.5			
FH (60°-80°)	3209.1	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	2264.2	7.7	B3/2500		
BM (30°-60°)	2251.8	7.7	B2/2500		
BH (60°-80°)	335.4	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°	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0
2.5°	12703.1	12731.9	12782.3	12847.1	12890.2	12911.8	12911.8	12973.0	12933.4	12901.0	12865.1
5°	12159.5	12188.3	12256.7	12361.1	12465.5	12541.1	12627.5	12692.3	12717.5	12717.5	12656.3
7.5°	11392.8	11432.4	11475.6	11619.6	11846.4	12015.5	12163.1	12256.7	12393.5	12436.7	12350.3
10°	10568.5	10608.1	10705.3	10903.3	11162.4	11414.4	11666.4	11785.2	12019.1	12141.5	12044.3
12.5°	9870.2	9888.2	10017.7	10255.3	10586.5	10932.1	11238.0	11360.4	11691.6	11875.2	11760.0
15°	9294.2	9305.0	9434.6	9697.4	10078.9	10503.7	10888.9	11014.8	11421.6	11698.8	11526.0
17.5°	8858.7	8862.3	8973.9	9258.2	9657.8	10129.3	10586.5	10741.3	11266.8	11601.6	11342.4
20°	8639.1	8628.3	8707.5	8955.9	9333.8	9805.4	10345.3	10536.1	11180.4	11587.2	11202.0
22.5°	8642.7	8617.5	8649.9	8826.3	9146.6	9589.4	10194.1	10410.1	11187.6	11648.4	11083.2
25°	8847.9	8811.9	8819.1	8912.7	9139.4	9542.6	10215.7	10446.1	11331.6	11853.6	11040.0
27.5°	9193.4	9153.8	9153.8	9200.6	9323.0	9690.2	10485.7	10748.5	11716.8	12253.1	11130.0
30°	9639.8	9600.2	9585.8	9632.6	9733.4	10071.7	11086.8	11360.4	12375.5	12908.2	11418.0
32.5°	10150.9	10104.1	10129.3	10194.1	10291.3	10759.3	11860.8	12224.3	13199.8	13790.2	11936.3
35°	10690.9	10651.3	10766.5	10906.9	11058.0	11713.2	12929.8	13246.6	14211.3	14888.0	12728.3
37.5°	11205.6	11187.6	11428.8	11724.0	12037.1	12857.9	14016.9	14261.7	15078.8	16083.1	13696.6
40°	11720.4	11716.8	12130.7	12649.1	13149.4	13998.9	14841.2	15042.8	15608.0	17011.8	14625.3
42.5°	12296.3	12296.3	12868.7	13559.8	14225.7	14963.6	15446.0	15536.0	15845.5	17548.2	15323.6
45°	12847.1	12879.4	13541.8	14344.5	15132.8	15716.0	15863.5	15870.7	15942.7	17864.9	15903.1
47.5°	13282.6	13311.4	14103.3	15028.4	15877.9	16288.3	16309.9	16277.5	16198.3	18167.3	16349.5
50°	13635.4	13678.6	14506.5	15485.6	16389.1	16839.0	17004.6	16972.2	16770.6	18491.3	16662.7
52.5°	13808.2	13869.3	14646.9	15712.4	16957.8	17782.1	18242.9	18318.5	17627.4	18671.2	16961.4
55°	12425.9	12515.9	13232.2	14690.1	17274.6	19240.0	19963.5	19949.1	18556.1	19207.6	17688.5
57.5°	9384.2	9377.0	9971.0	11565.6	14754.9	19322.8	21021.8	20993.0	19423.6	19830.3	18433.7
60°	6389.3	6346.1	6504.5	7274.8	10316.5	15741.1	19132.0	19520.8	18808.0	18318.5	15651.2
62.5°	5259.0	5219.5	5169.1	4956.7	5925.0	9805.4	13217.8	13808.2	13714.6	12731.9	9816.2
65°	4305.1	4337.5	4477.9	4387.9	4121.6	5028.7	6860.9	7210.0	6590.9	5547.0	3430.4
67.5°	3174.9	3189.3	3372.8	3848.0	3704.0	3347.6	3228.9	3286.5	1925.8	885.5	572.3
70°	1875.4	1886.2	2055.4	2692.5	3005.7	2570.1	2181.4	2149.0	763.1	237.6	259.2
72.5°	1061.9	1040.3	1072.7	1281.5	1637.8	1364.3	1123.1	1022.3	230.4	133.2	133.2
75°	503.9	489.5	421.2	396.0	360.0	230.4	144.0	122.4	57.6	54.0	54.0
77.5°	3.6	10.8	7.2	10.8	10.8	7.2	3.6	3.6	10.8	10.8	14.4
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°	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0	12883.0
2.5°	12800.3	12692.3	12667.1	12659.9	12559.1	12451.1	12339.5	12296.3	12231.5	12191.9	12224.3
5°	12559.1	12404.3	12267.5	12141.5	11918.4	11673.6	11461.2	11324.4	11194.8	11108.4	11130.0
7.5°	12217.1	12015.5	11702.4	11382.0	10971.6	10604.5	10194.1	9942.2	9708.2	9578.6	9639.8
10°	11853.6	11587.2	11086.8	10543.3	9899.0	9323.0	8736.3	8257.5	7980.4	7717.6	7746.4
12.5°	11497.2	11144.4	10395.7	9571.4	8757.9	7908.4	7022.9	6360.5	5907.0	5579.4	5529.0
15°	11166.0	10712.5	9722.6	8635.5	7526.8	6396.5	5266.2	4319.5	3794.0	3470.0	3448.4
17.5°	10870.9	10309.3	9024.3	7656.4	6266.9	4819.9	3520.4	2811.3	2508.9	2368.6	2354.2
20°	10586.5	9902.6	8311.5	6662.9	4891.9	3383.6	2429.7	2102.2	2005.0	1947.4	1954.6
22.5°	10312.9	9459.8	7562.8	5561.4	3668.0	2375.8	1882.6	1756.6	1745.8	1753.0	1756.6
25°	10082.5	9053.1	6792.5	4499.5	2616.9	1810.6	1573.0	1537.0	1569.4	1616.2	1623.4
27.5°	9963.8	8721.9	6040.2	3430.4	1893.4	1472.2	1364.3	1378.7	1436.2	1486.6	1493.8
30°	9996.2	8473.5	5262.6	2487.3	1457.8	1241.9	1205.9	1234.7	1292.3	1339.1	1346.3
32.5°	10226.5	8347.5	4467.1	1810.6	1198.7	1083.5	1069.1	1090.7	1141.1	1177.1	1180.7
35°	10683.7	8376.3	3711.2	1385.9	1029.5	964.7	961.1	975.5	1000.7	1025.9	1029.5
37.5°	11356.8	8610.3	2966.1	1151.9	932.3	885.5	871.1	871.1	889.1	899.9	907.1
40°	12080.3	8963.1	2375.8	1018.7	863.9	813.5	784.7	773.9	788.3	802.7	806.3
42.5°	12677.9	9315.8	1929.4	925.1	809.9	741.5	705.5	698.3	716.3	741.5	748.7
45°	13135.0	9589.4	1609.0	849.5	748.7	673.1	633.5	633.5	665.9	709.1	716.3
47.5°	13552.6	9809.0	1371.5	781.1	691.1	611.9	572.3	579.5	633.5	691.1	701.9
50°	13836.9	9985.4	1195.1	719.9	644.3	561.5	525.5	539.9	604.7	673.1	683.9
52.5°	14142.9	10201.3	1079.9	665.9	601.1	521.9	489.5	500.3	572.3	647.9	662.3
55°	14988.8	10924.9	1076.3	593.9	525.5	468.0	453.6	457.2	529.1	615.5	633.5
57.5°	15680.0	11562.0	1148.3	500.3	439.2	410.4	403.2	406.8	471.6	568.7	590.3
60°	12973.0	8984.7	950.3	414.0	367.2	360.0	349.2	356.4	417.6	503.9	521.9
62.5°	7678.0	5136.7	453.6	316.8	313.2	306.0	295.2	309.6	367.2	442.8	453.6
65°	2624.1	1522.6	288.0	259.2	266.4	255.6	244.8	259.2	309.6	352.8	356.4
67.5°	503.9	403.2	230.4	216.0	219.6	198.0	194.4	208.8	237.6	244.8	241.2
70°	262.8	234.0	176.4	176.4	169.2	140.4	140.4	154.8	154.8	144.0	140.4
72.5°	136.8	129.6	115.2	129.6	108.0	86.4	86.4	93.6	86.4	72.0	72.0
75°	54.0	54.0	50.4	64.8	46.8	39.6	36.0	43.2	32.4	25.2	25.2
77.5°	14.4	14.4	14.4	18.0	10.8	10.8	7.2	7.2	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)