

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: P642752

Luminaire Tested: GWS-SA6D-750-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642752
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE 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: 27597.2 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

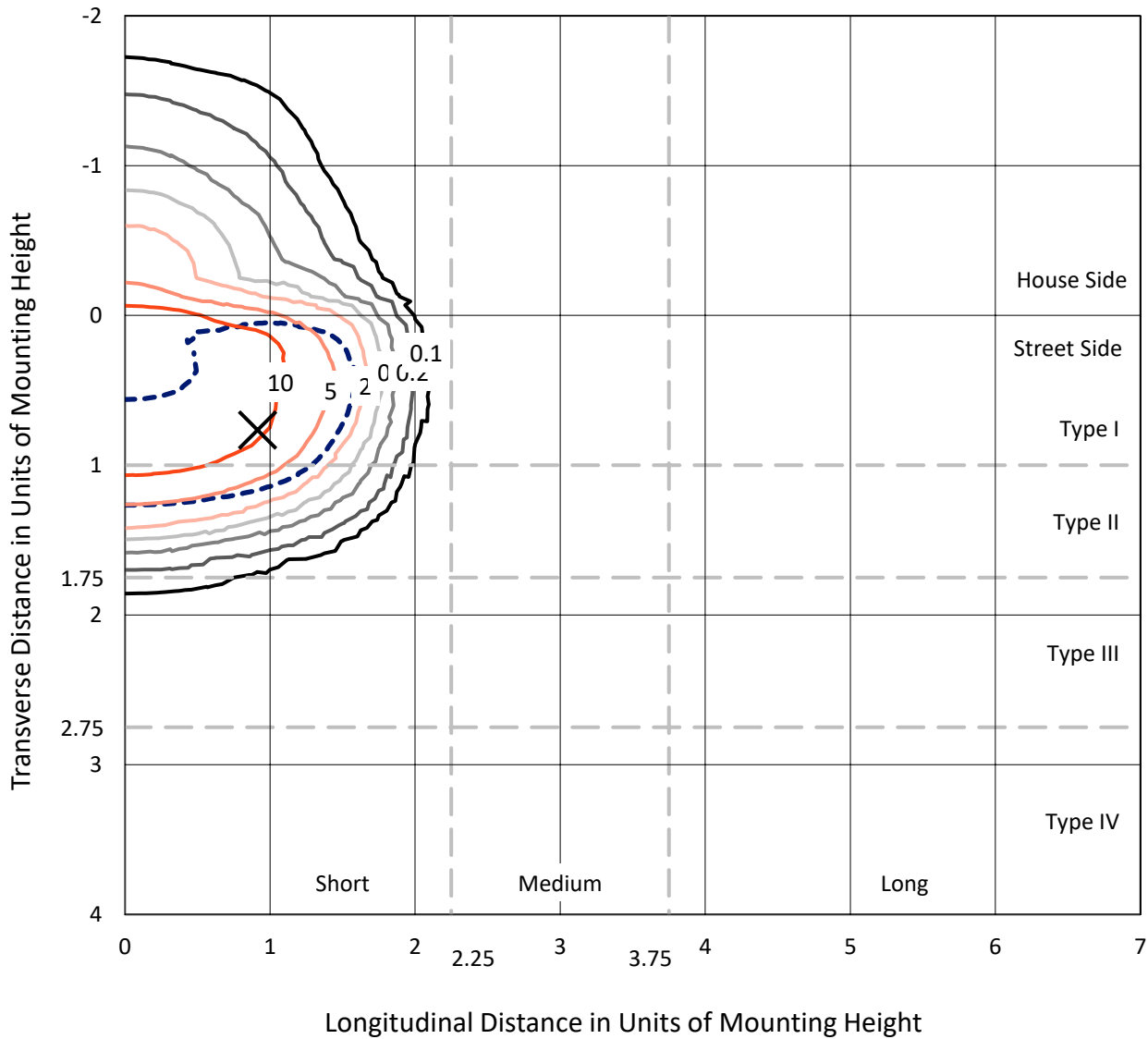
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642752
 CATALOG NUMBER: GWS-SA6D-750-U-AFL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

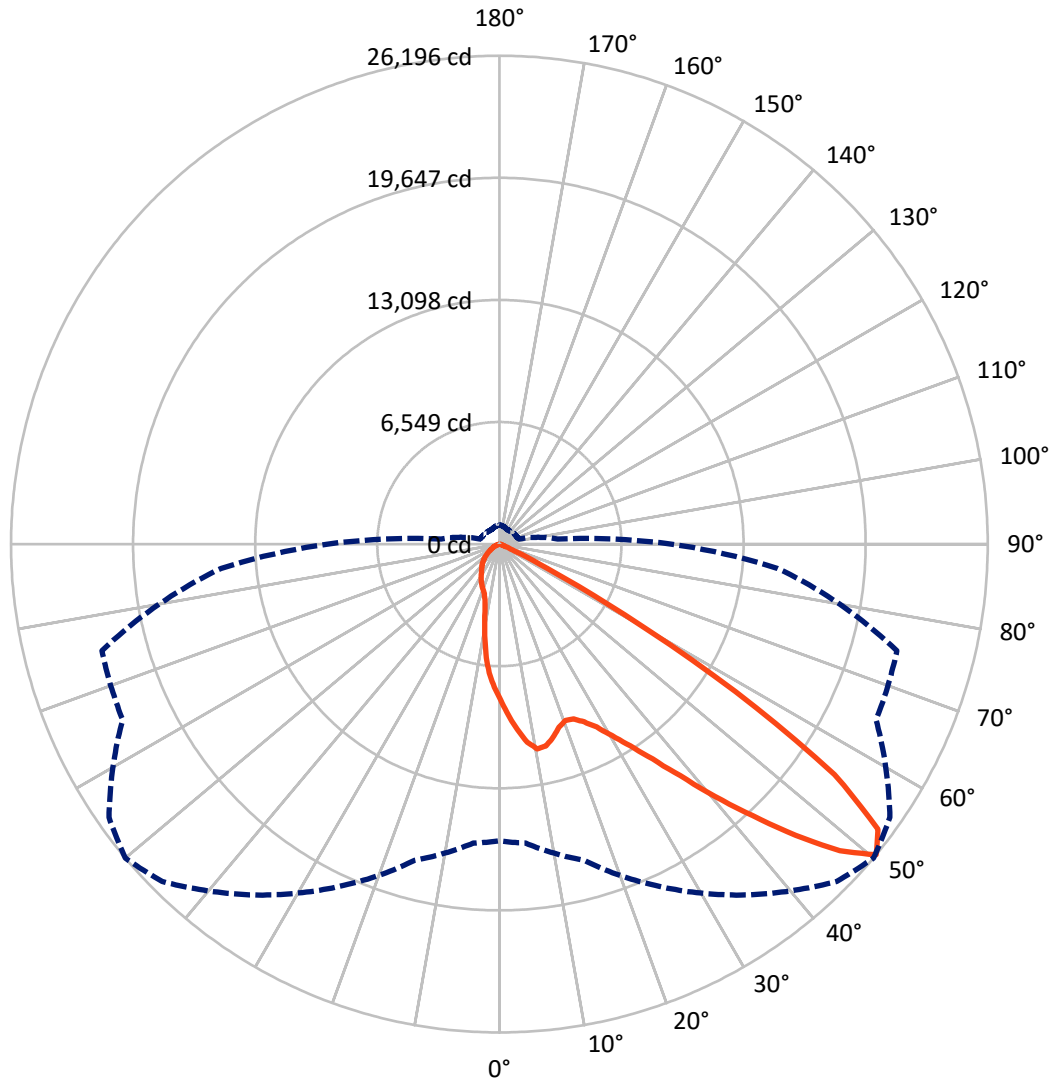
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 fc
 Type II - Short - N/A

REPORT NUMBER: P642752
CATALOG NUMBER: GWS-SA6D-750-U-AFL-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P642752
 CATALOG NUMBER: GWS-SA6D-750-U-AFL-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3545.8	0.0	3545.8
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	24051.4	0.0	24051.4
	% Fixture	87.2	0.0	87.2
Total	Lumens	27597.2	0.0	27597.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	775.6	2.8
10°-20°	2001.1	7.3
20°-30°	3302.5	12.0
30°-40°	5449.9	19.7
40°-50°	8623.0	31.2
50°-60°	6528.6	23.7
60°-70°	817.1	3.0
70°-80°	92.4	0.3
80°-90°	7.1	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°	27597.2	100.0
0°-180°	27597.2	100.0

Coefficient of Utilization



REPORT NUMBER: P642752

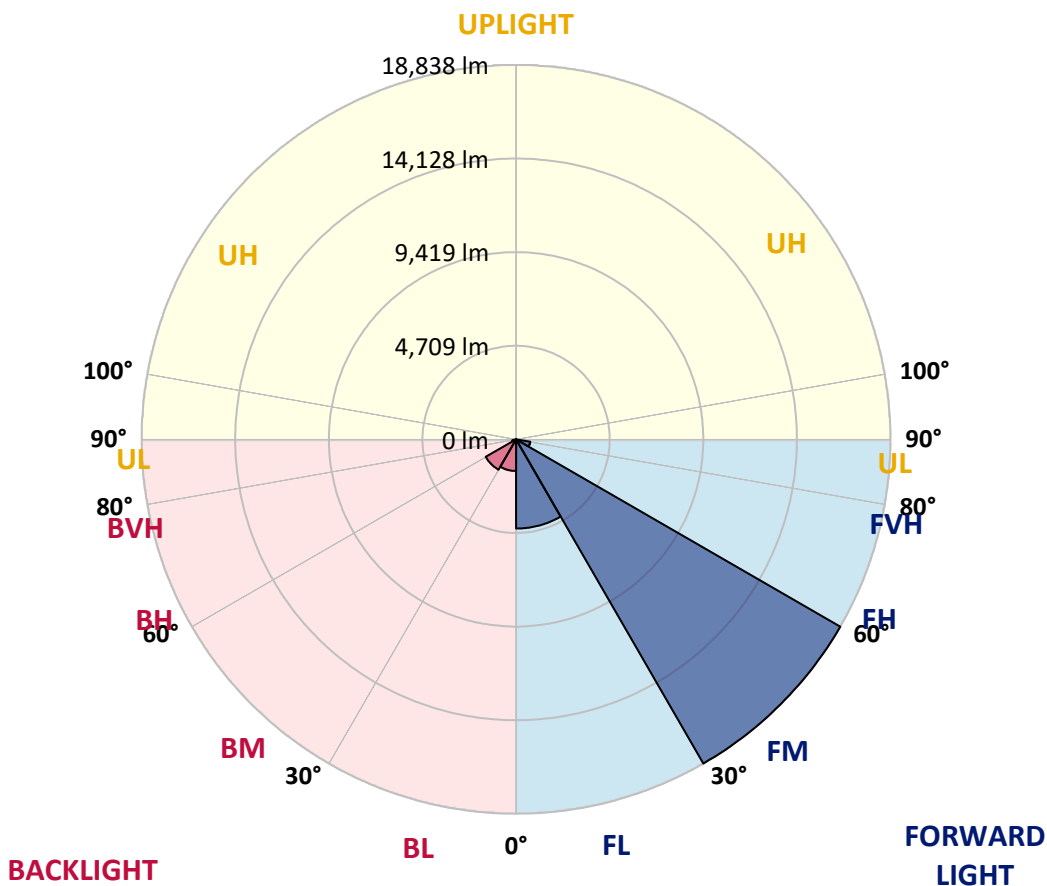
CATALOG NUMBER: GWS-SA6D-750-U-AFL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4487.7	16.3			
FM (30°-60°)	18838.0	68.3			
FH (60°-80°)	722.4	2.6			G1/1800
FVH (80°-90°)	3.3	0.0			G0/10
BL (0°-30°)	1591.5	5.8	B3/2500		
BM (30°-60°)	1763.4	6.4	B2/2500		
BH (60°-80°)	187.1	0.7	B1/500		G1/500
BVH (80°-90°)	3.8	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-G1

Type II Short





REPORT NUMBER: P642752

CATALOG NUMBER: GWS-SA6D-750-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9
2.5°	9527.1	9603.3	9582.3	9482.5	9374.8	9298.6	9180.4	9143.6	8875.7	8689.2	8492.2
5°	10677.6	10701.3	10675.0	10554.2	10365.0	10183.8	9989.4	9876.5	9427.3	9022.8	8610.4
7.5°	10953.4	10924.5	10974.4	11034.9	11008.6	10929.8	10724.9	10601.4	10065.6	9406.3	8781.1
10°	10091.9	10026.2	10212.7	10525.3	10853.6	11224.0	11171.4	11182.0	10688.1	9889.6	9004.4
12.5°	8949.2	8923.0	9062.2	9424.7	10068.2	10908.8	11111.0	11449.9	11258.1	10412.3	9259.2
15°	8447.5	8460.7	8544.7	8773.2	9235.6	10281.0	10766.9	11379.0	11767.7	10919.3	9540.3
17.5°	8523.7	8571.0	8568.4	8644.5	8925.6	9763.5	10330.9	11155.7	12161.7	11502.4	9863.3
20°	9041.2	9088.5	9017.5	8959.7	9054.3	9632.2	10102.4	10929.8	12427.0	12090.8	10204.8
22.5°	9816.1	9871.2	9703.1	9537.6	9477.2	9847.6	10189.1	10837.9	12629.3	12629.3	10509.5
25°	10753.8	10830.0	10569.9	10275.7	10107.6	10302.0	10559.4	11045.4	12836.8	13112.6	10717.0
27.5°	11801.9	11804.5	11581.2	11250.2	10935.0	10958.7	11113.7	11512.9	13065.3	13632.7	10879.9
30°	12981.3	12989.1	12692.3	12295.7	11899.0	11791.4	11922.7	12224.8	13540.7	14286.7	11105.8
32.5°	14504.8	14541.5	14116.0	13532.9	13018.0	12815.8	12891.9	13209.8	14297.2	15106.3	11444.6
35°	16564.1	16603.5	15975.7	15206.1	14386.6	14081.9	14158.0	14478.5	15392.6	16269.9	11985.7
37.5°	18597.2	18649.7	18014.1	17297.0	16172.7	15668.4	15747.2	16051.9	17036.9	17877.5	12852.5
40°	20002.5	20073.4	19876.4	19393.1	18350.3	17688.3	17782.9	17893.2	18846.7	19800.2	13976.8
42.5°	20743.2	20843.0	20927.1	21174.0	20625.0	20070.8	19910.5	19918.4	20688.1	21759.8	15145.7
45°	20787.9	20885.1	21315.8	22269.3	22687.0	22571.4	22279.9	22082.8	22093.4	23065.2	15875.9
47.5°	19343.2	19524.4	20330.8	22198.4	23769.2	24728.0	24580.9	24113.3	22684.4	23151.9	15797.1
50°	15920.6	16099.2	17564.9	20252.0	22981.2	25589.5	26196.3	25568.5	22298.2	22072.3	14985.4
52.5°	11562.8	11581.2	12532.1	15671.0	19787.1	24000.4	25429.3	25368.9	21709.9	20764.2	13877.0
55°	5492.5	5426.8	6495.9	8844.2	13685.2	19411.5	21820.2	22503.1	20874.6	19818.6	13018.0
57.5°	1599.7	1631.2	2106.6	3451.5	6845.2	12406.0	14943.4	16214.8	17134.1	16293.6	10097.1
60°	717.1	719.7	801.2	1050.7	2280.0	5770.9	7725.2	9298.6	10244.2	9493.0	5009.2
62.5°	520.1	522.7	554.2	593.6	774.9	1954.3	2897.3	3861.3	3932.2	2574.2	1268.7
65°	433.4	433.4	438.7	438.7	464.9	698.7	880.0	1134.7	956.1	709.2	496.5
67.5°	349.4	352.0	357.2	357.2	349.4	349.4	378.2	415.0	443.9	549.0	457.0
70°	273.2	270.6	270.6	273.2	265.3	225.9	244.3	278.4	304.7	428.2	396.6
72.5°	212.8	215.4	212.8	202.3	183.9	134.0	144.5	181.2	194.4	267.9	267.9
75°	160.2	162.9	152.3	115.6	76.2	42.0	55.2	89.3	112.9	131.3	97.2
77.5°	21.0	21.0	15.8	15.8	13.1	15.8	15.8	21.0	31.5	31.5	23.6
80°	2.6	2.6	2.6	5.3	7.9	10.5	10.5	10.5	10.5	13.1	13.1
82.5°	2.6	2.6	2.6	2.6	7.9	7.9	10.5	10.5	10.5	10.5	10.5
85°	0.0	0.0	0.0	2.6	5.3	7.9	7.9	10.5	10.5	10.5	10.5
87.5°	0.0	0.0	0.0	2.6	5.3	7.9	7.9	7.9	10.5	10.5	10.5
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: P642752
 CATALOG NUMBER: GWS-SA6D-750-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9	8360.9
2.5°	8374.0	8221.6	8037.8	7911.7	7733.1	7614.9	7446.8	7333.8	7236.6	7160.4	7202.5
5°	8376.6	8135.0	7759.3	7438.9	7089.5	6769.1	6425.0	6154.4	5910.1	5799.8	5860.2
7.5°	8429.1	8082.4	7507.2	6937.2	6267.4	5605.4	4985.5	4481.2	4231.6	4113.4	4150.2
10°	8531.6	8058.8	7226.1	6280.5	5193.0	4289.4	3687.9	3346.4	3207.2	3133.7	3146.8
12.5°	8626.2	8043.0	6861.0	5416.3	4097.7	3328.1	3015.5	2968.2	2997.1	2999.7	2997.1
15°	8754.9	8014.1	6409.2	4528.5	3278.1	2876.3	2884.1	2952.4	3020.7	3041.7	3036.5
17.5°	8891.5	7969.5	5826.1	3677.4	2781.7	2744.9	2836.9	2928.8	2997.1	3007.6	3010.2
20°	9033.3	7877.5	5161.5	3002.3	2550.5	2645.1	2747.6	2815.8	2865.8	2881.5	2886.8
22.5°	9099.0	7683.2	4394.5	2519.0	2395.6	2521.7	2597.8	2687.1	2702.9	2645.1	2655.6
25°	9064.8	7354.8	3645.9	2193.3	2240.6	2366.7	2479.6	2435.0	2369.3	2327.3	2340.4
27.5°	8957.1	6918.8	2913.0	1954.3	2075.1	2235.3	2248.5	2198.6	2188.1	2153.9	2164.4
30°	8841.5	6417.1	2343.0	1762.5	1907.0	2075.1	2035.7	2054.1	2056.7	2017.3	2030.5
32.5°	8770.6	5891.7	1865.0	1633.8	1799.3	1830.8	1909.6	1946.4	1949.0	1857.1	1872.9
35°	8794.3	5374.3	1578.7	1528.8	1699.5	1691.6	1801.9	1822.9	1670.6	1544.5	1557.6
37.5°	8986.0	4896.2	1415.8	1447.3	1526.1	1586.5	1670.6	1531.4	1497.2	1439.4	1447.3
40°	9343.2	4489.1	1318.6	1397.4	1407.9	1505.1	1376.4	1394.8	1397.4	1360.6	1368.5
42.5°	9760.9	4150.2	1260.8	1368.5	1342.3	1358.0	1229.3	1266.1	1305.5	1289.7	1292.3
45°	9971.0	3819.3	1210.9	1268.7	1276.6	1126.9	1098.0	1137.4	1187.3	1195.2	1197.8
47.5°	9784.5	3504.0	1158.4	1124.2	1176.8	1027.0	992.9	1006.0	1063.8	1095.3	1100.6
50°	9214.5	3141.6	1079.6	995.5	966.6	922.0	890.5	893.1	958.8	1013.9	1024.4
52.5°	8413.4	2763.3	950.9	843.2	777.5	811.7	819.5	803.8	864.2	919.4	929.9
55°	7635.9	2290.5	753.9	685.6	625.2	698.7	719.7	698.7	717.1	753.9	756.5
57.5°	5376.9	1295.0	577.9	567.4	517.5	598.9	633.0	601.5	570.0	593.6	598.9
60°	2492.8	677.7	443.9	443.9	430.8	514.8	572.6	528.0	467.6	478.1	485.9
62.5°	780.1	428.2	325.7	307.3	352.0	438.7	485.9	441.3	370.4	370.4	380.9
65°	441.3	367.7	257.4	236.4	286.3	352.0	380.9	333.6	270.6	265.3	265.3
67.5°	409.8	349.4	228.5	191.8	202.3	225.9	236.4	204.9	186.5	183.9	186.5
70°	338.8	291.6	183.9	131.3	123.5	120.8	126.1	118.2	112.9	115.6	123.5
72.5°	210.1	176.0	115.6	78.8	68.3	65.7	65.7	65.7	63.0	63.0	63.0
75°	76.2	65.7	52.5	39.4	34.1	31.5	31.5	34.1	31.5	28.9	26.3
77.5°	23.6	21.0	21.0	21.0	18.4	15.8	13.1	13.1	10.5	7.9	7.9
80°	13.1	13.1	13.1	13.1	10.5	10.5	7.9	5.3	2.6	2.6	0.0
82.5°	13.1	13.1	13.1	10.5	10.5	10.5	7.9	5.3	2.6	0.0	0.0
85°	10.5	10.5	10.5	10.5	10.5	10.5	7.9	5.3	2.6	0.0	0.0
87.5°	10.5	10.5	10.5	10.5	10.5	10.5	7.9	5.3	2.6	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)