

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: P642288

Luminaire Tested: GWS-SA6C-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25562.9 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

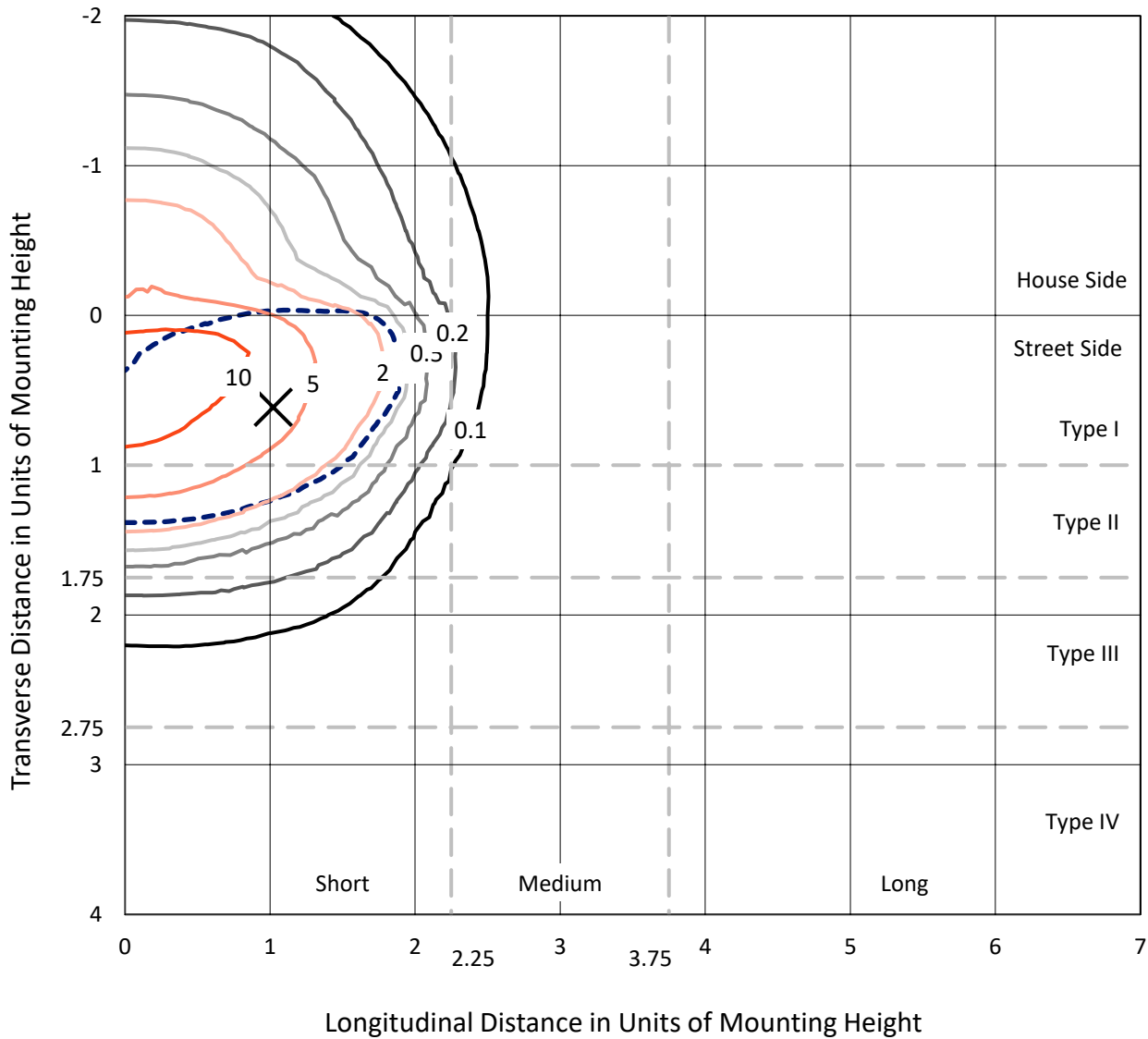
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

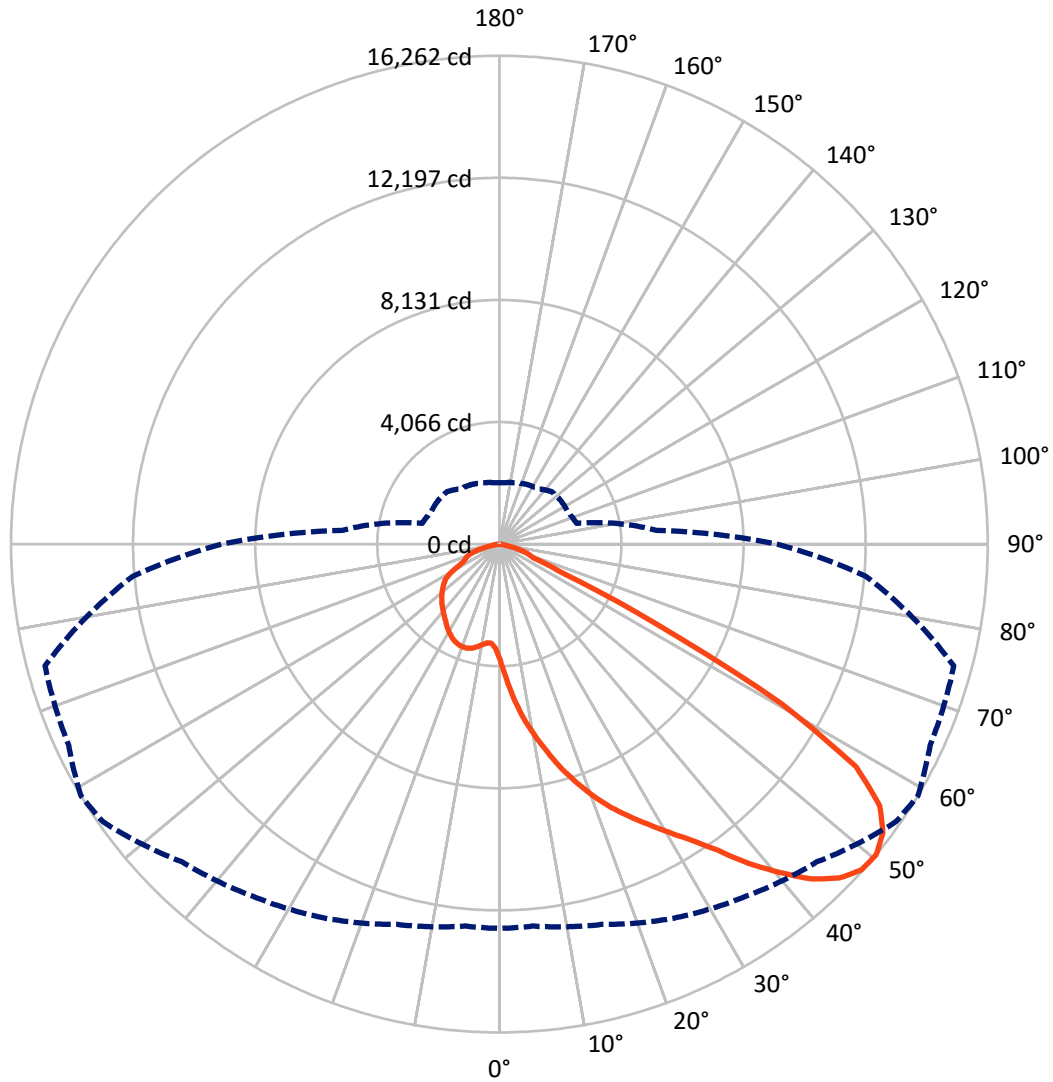
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5879.9	0.0	5879.9
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	19683.0	0.0	19683.0
	% Fixture	77.0	0.0	77.0
Total	Lumens	25562.9	0.0	25562.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.5	1.7
10°-20°	1577.2	6.2
20°-30°	2986.6	11.7
30°-40°	4952.8	19.4
40°-50°	6765.8	26.5
50°-60°	6141.6	24.0
60°-70°	2045.2	8.0
70°-80°	596.5	2.3
80°-90°	62.7	0.2
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°	25562.9	100.0
0°-180°	25562.9	100.0

Coefficient of Utilization



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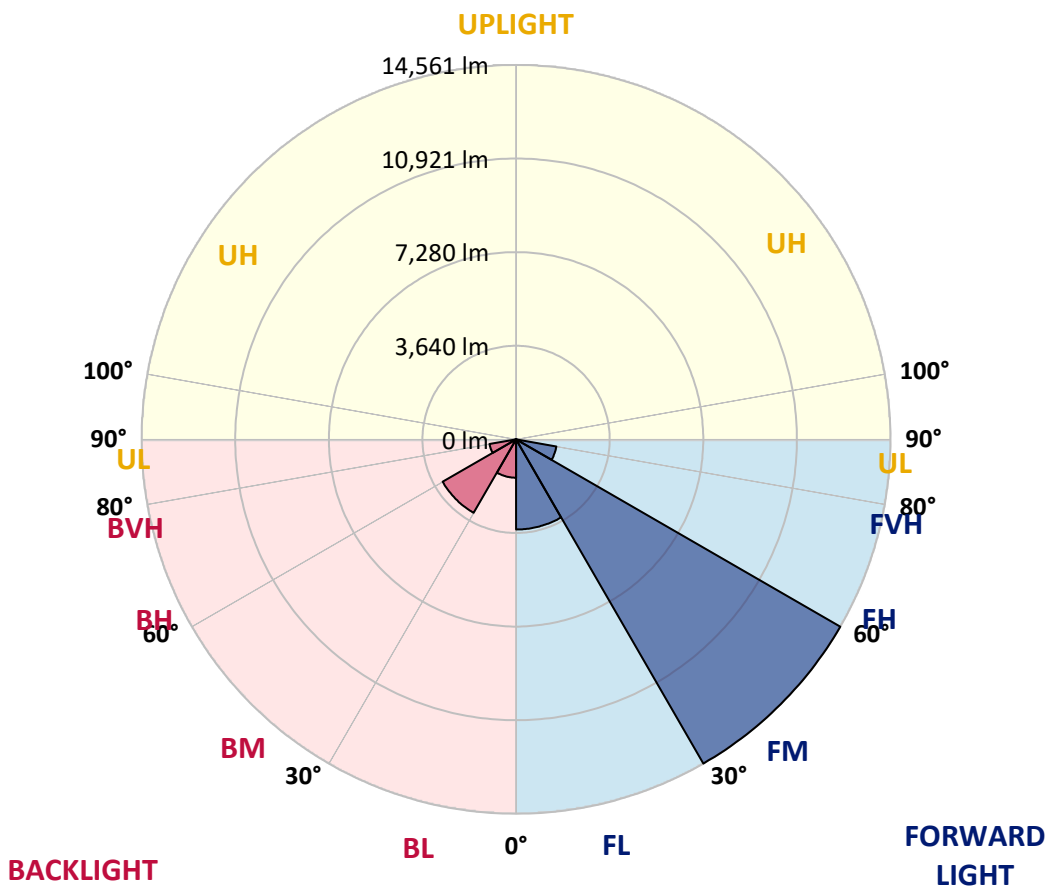
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3505.3	13.7			
FM (30°-60°)	14561.0	57.0			
FH (60°-80°)	1592.2	6.2			G1/1800
FVH (80°-90°)	24.5	0.1			G1/100
BL (0°-30°)	1493.1	5.8	B3/2500		
BM (30°-60°)	3299.2	12.9	B3/5000		
BH (60°-80°)	1049.5	4.1	B3/2500		G3/2500
BVH (80°-90°)	38.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0
2.5°	5018.2	5055.7	4997.4	5001.5	4855.8	4789.1	4601.7	4491.4	4418.5	4214.4	4029.1
5°	6030.2	5986.4	5940.6	5913.6	5786.5	5607.5	5374.3	5188.9	5018.2	4618.4	4233.2
7.5°	6650.7	6627.8	6596.5	6579.9	6454.9	6267.5	6034.3	5876.1	5628.3	5086.9	4481.0
10°	7177.5	7150.4	7131.7	7144.2	7042.1	6921.4	6667.3	6486.2	6207.1	5582.5	4780.8
12.5°	7585.6	7600.2	7606.4	7673.0	7629.3	7556.4	7294.1	7102.5	6792.3	6105.1	5132.7
15°	7908.3	7904.2	7977.0	8104.1	8174.9	8129.1	7918.7	7758.4	7379.4	6619.4	5511.7
17.5°	7983.3	7987.5	8102.0	8324.8	8555.9	8668.4	8549.7	8358.1	7983.3	7127.5	5905.2
20°	8043.7	8052.0	8170.7	8424.7	8762.1	9076.5	9095.2	8957.8	8635.0	7677.2	6305.0
22.5°	8424.7	8443.5	8474.7	8635.0	8939.0	9336.7	9555.4	9526.2	9255.5	8254.0	6736.0
25°	9426.3	9370.1	9218.1	9172.3	9288.9	9611.6	9984.3	10040.5	9907.3	8889.1	7200.4
27.5°	10663.1	10602.7	10377.9	10140.5	9888.5	10001.0	10398.7	10567.4	10569.4	9588.7	7666.8
30°	11785.5	11737.6	11554.3	11214.9	10779.7	10617.3	10910.9	11137.9	11273.2	10396.6	8197.8
32.5°	12745.4	12701.6	12453.9	12176.9	11752.1	11425.2	11531.4	11750.1	12066.6	11441.9	8857.8
35°	13553.3	13509.6	13272.2	12993.2	12599.6	12403.9	12366.4	12516.3	12926.5	12533.0	9615.8
37.5°	14209.2	14165.5	13917.7	13655.3	13355.5	13368.0	13424.2	13497.1	13732.4	13701.1	10425.8
40°	14634.0	14588.1	14411.2	14223.8	14034.3	14184.2	14463.2	14375.8	14500.7	14644.4	11171.2
42.5°	14823.4	14765.1	14663.1	14621.5	14563.2	14796.4	15333.6	15246.1	15096.2	15273.2	11725.1
45°	14634.0	14584.0	14581.9	14708.9	14844.3	15144.1	15935.4	15864.6	15485.6	15577.2	12056.2
47.5°	14053.0	14009.3	14128.0	14461.1	14794.3	15231.6	16204.0	16216.5	15762.5	15704.2	12270.6
50°	12797.4	12768.3	13111.8	13742.8	14317.5	14958.8	16118.6	16262.3	15829.2	15664.7	12243.6
52.5°	10244.6	10379.9	11127.5	12181.1	13297.2	14479.9	15802.1	15989.5	15508.5	15404.4	12097.8
55°	7013.0	7075.4	7823.0	9361.7	11131.6	13442.9	15075.4	15364.8	15129.5	15360.7	12249.8
57.5°	3631.4	3681.4	4270.7	5636.6	7550.2	10623.6	13057.7	14007.2	14365.4	15581.4	12722.5
60°	1490.9	1532.5	1776.1	2436.2	3808.4	6186.3	9397.1	10804.7	11645.9	14230.0	11298.2
62.5°	1082.8	1103.6	1220.2	1453.4	1994.8	3031.7	5318.0	5836.5	6427.9	8918.2	7173.3
65°	912.0	934.9	1028.6	1170.2	1455.5	1859.4	2271.7	2284.2	2517.4	3633.5	2659.0
67.5°	764.2	785.0	868.3	989.1	1176.5	1320.1	1220.2	1222.3	1218.1	1318.1	1274.3
70°	595.5	612.2	695.5	824.6	922.4	847.5	953.7	1055.7	1012.0	1051.5	1111.9
72.5°	435.2	453.9	526.8	624.7	599.7	603.8	772.5	876.6	851.6	895.4	951.6
75°	314.4	326.9	364.4	312.3	329.0	397.7	543.5	599.7	624.7	662.2	712.1
77.5°	102.0	102.0	114.5	143.7	179.1	220.7	276.9	299.8	337.3	379.0	414.4
80°	52.1	54.1	64.5	79.1	99.9	127.0	162.4	172.8	191.6	214.5	229.0
82.5°	25.0	27.1	31.2	39.6	52.1	66.6	89.5	99.9	112.4	127.0	137.4
85°	6.2	6.2	8.3	12.5	16.7	25.0	33.3	39.6	50.0	60.4	66.6
87.5°	0.0	0.0	0.0	0.0	0.0	2.1	6.2	8.3	10.4	12.5	16.7
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°	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0	3873.0
2.5°	3945.8	3829.2	3679.3	3552.3	3435.7	3346.2	3269.1	3231.6	3196.2	3171.2	3179.6
5°	4054.1	3854.2	3575.2	3381.6	3262.9	3202.5	3160.8	3140.0	3135.8	3119.2	3112.9
7.5°	4212.4	3927.1	3554.4	3358.6	3279.5	3248.3	3225.4	3212.9	3219.1	3202.5	3196.2
10°	4408.1	4047.9	3606.4	3433.6	3364.9	3342.0	3317.0	3300.3	3292.0	3267.0	3262.9
12.5°	4651.7	4197.8	3700.1	3529.4	3460.7	3421.1	3387.8	3358.6	3339.9	3308.7	3300.3
15°	4914.1	4364.4	3810.5	3623.1	3541.9	3483.6	3429.4	3385.7	3352.4	3310.8	3304.5
17.5°	5199.3	4539.3	3902.1	3687.6	3583.5	3506.5	3427.4	3362.8	3317.0	3262.9	3256.6
20°	5497.1	4716.3	3970.8	3718.9	3585.6	3481.5	3375.3	3289.9	3231.6	3177.5	3173.3
22.5°	5805.3	4878.7	4012.5	3710.5	3552.3	3423.2	3296.2	3200.4	3131.7	3067.1	3063.0
25°	6115.5	5034.8	4022.9	3677.2	3485.7	3335.7	3208.7	3096.3	3019.2	2946.4	2938.0
27.5°	6429.9	5166.0	3997.9	3610.6	3396.1	3233.7	3106.7	2996.3	2917.2	2844.3	2831.8
30°	6765.2	5278.5	3943.8	3523.1	3292.0	3125.4	3000.5	2917.2	2842.3	2769.4	2756.9
32.5°	7123.3	5376.3	3866.7	3417.0	3171.2	3017.2	2925.5	2850.6	2775.6	2711.1	2698.6
35°	7550.2	5440.9	3752.2	3279.5	3058.8	2938.0	2875.6	2788.1	2696.5	2625.7	2619.5
37.5°	7991.6	5490.9	3614.8	3148.3	2960.9	2892.2	2840.2	2721.5	2607.0	2521.6	2511.2
40°	8418.5	5532.5	3444.0	3025.5	2871.4	2858.9	2788.1	2640.3	2442.5	2346.7	2338.4
42.5°	8816.2	5545.0	3264.9	2894.3	2790.2	2784.0	2704.8	2475.8	2323.8	2263.4	2255.1
45°	9089.0	5534.6	3079.6	2771.5	2709.0	2675.7	2592.4	2357.1	2263.4	2209.3	2198.8
47.5°	9290.9	5480.4	2871.4	2642.4	2617.4	2571.6	2392.5	2282.1	2194.7	2140.5	2130.1
50°	9255.5	5255.6	2661.1	2517.4	2507.0	2467.5	2246.7	2188.4	2111.4	2053.1	2044.8
52.5°	9072.3	4828.7	2446.6	2380.0	2400.8	2323.8	2142.6	2076.0	2009.4	1942.7	1928.2
55°	9118.1	4520.5	2284.2	2246.7	2284.2	2109.3	2026.0	1955.2	1892.8	1828.2	1815.7
57.5°	9318.0	4216.5	2111.4	2103.1	2142.6	1944.8	1876.1	1786.6	1697.0	1645.0	1645.0
60°	7825.0	3073.4	1807.4	1828.2	1917.7	1811.5	1751.2	1659.5	1561.7	1515.9	1515.9
62.5°	4626.7	1928.2	1499.2	1476.3	1532.5	1599.2	1632.5	1557.5	1440.9	1380.5	1382.6
65°	2038.5	1403.4	1322.2	1303.5	1286.8	1332.6	1424.2	1430.5	1307.6	1236.8	1238.9
67.5°	1255.6	1270.2	1236.8	1222.3	1207.7	1199.4	1191.0	1195.2	1161.9	1097.3	1095.3
70°	1132.7	1172.3	1149.4	1136.9	1118.2	1103.6	1053.6	972.4	916.2	899.5	918.3
72.5°	974.5	1028.6	1016.1	1009.9	987.0	951.6	885.0	805.8	739.2	697.5	705.9
75°	735.0	778.8	785.0	787.1	762.1	728.8	660.1	593.4	535.1	491.4	501.8
77.5°	422.7	447.7	453.9	460.2	441.4	428.9	383.1	335.2	304.0	258.2	270.7
80°	235.3	245.7	245.7	247.8	237.4	222.8	191.6	164.5	149.9	129.1	131.2
82.5°	141.6	145.8	147.8	149.9	143.7	129.1	106.2	87.5	79.1	68.7	66.6
85°	68.7	72.9	72.9	75.0	64.5	56.2	43.7	33.3	29.2	20.8	22.9
87.5°	16.7	18.7	18.7	16.7	14.6	10.4	6.2	2.1	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)