

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: P642287

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY 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: 19470.5 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

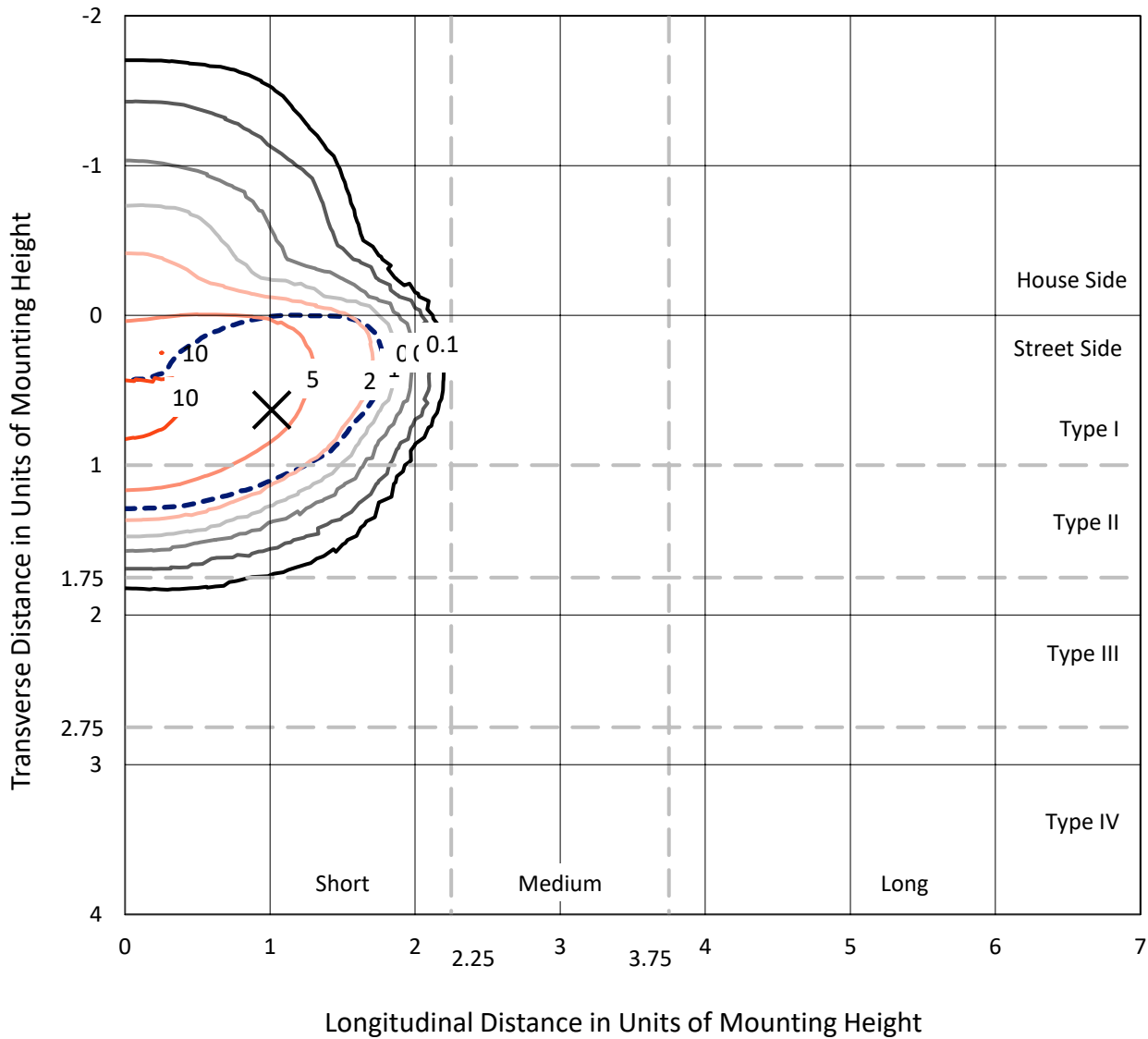
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642287
 CATALOG NUMBER: GWS-SA6C-750-U-T2R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

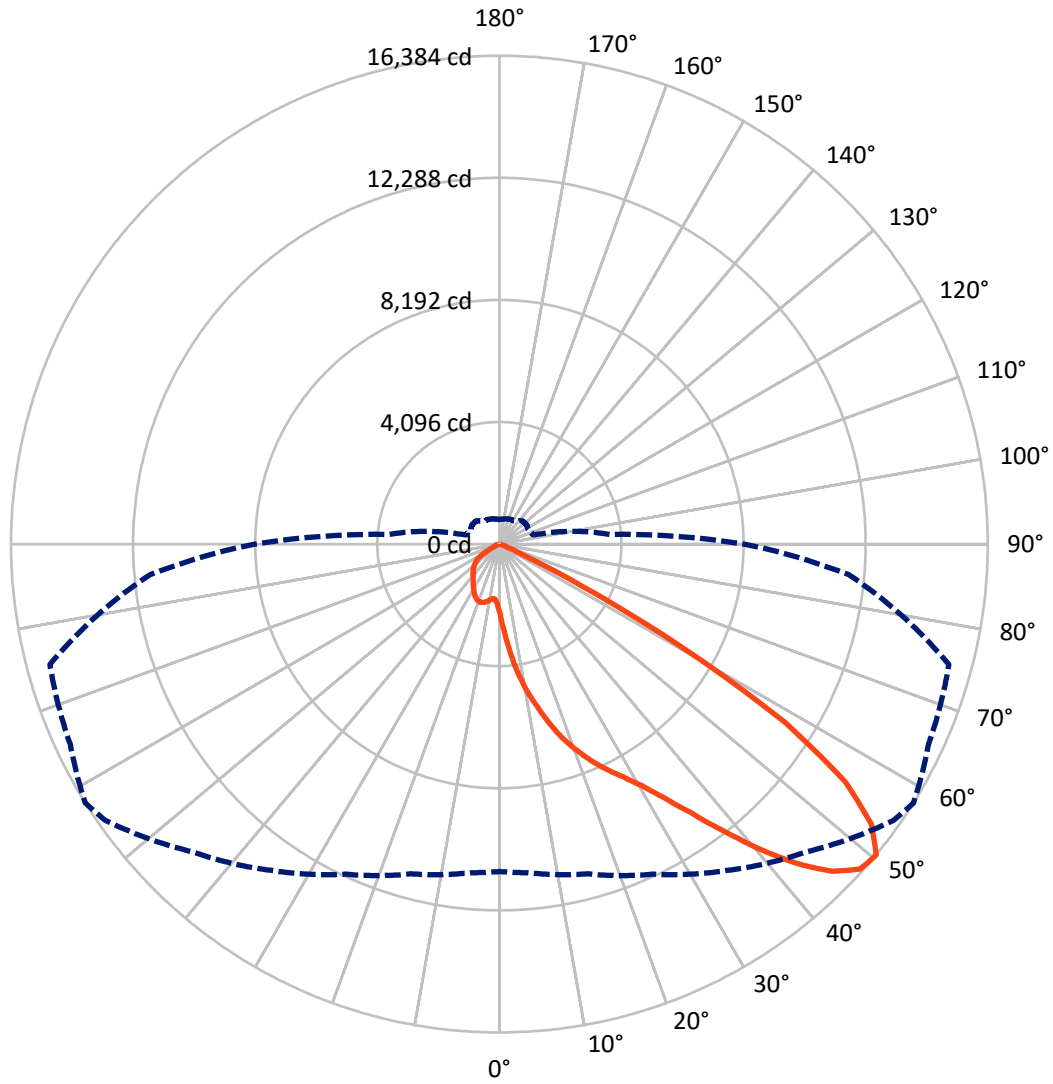
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Short - N/A

REPORT NUMBER: P642287
CATALOG NUMBER: GWS-SA6C-750-U-T2R-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P642287

CATALOG NUMBER: GWS-SA6C-750-U-T2R-W-GRSBK

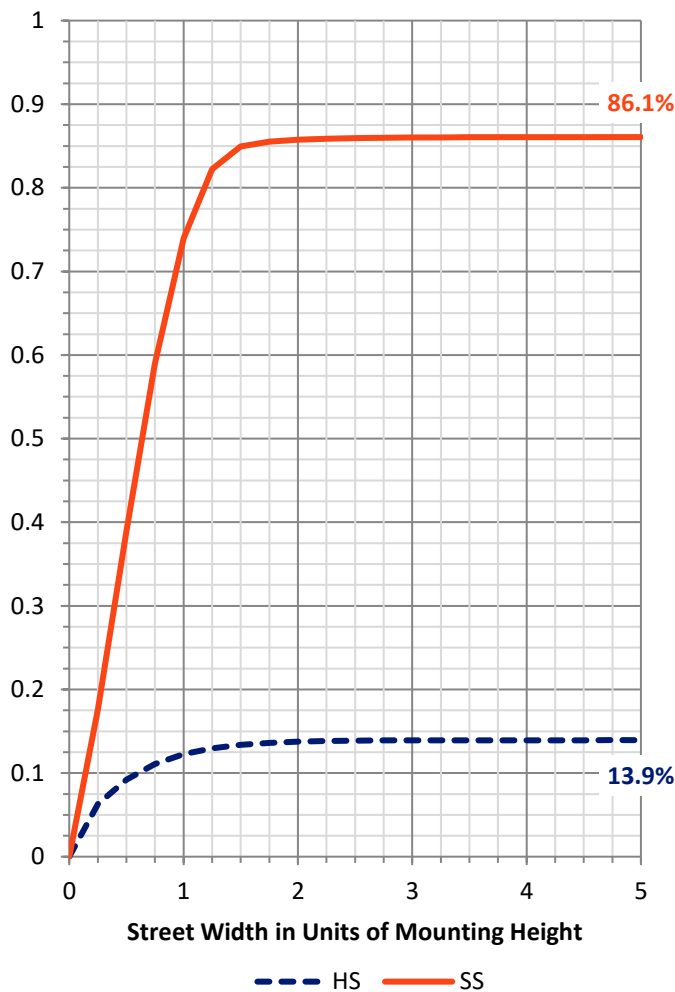
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2727.1	0.0	2727.1
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	16743.4	0.0	16743.4
	% Fixture	86.0	0.0	86.0
Total	Lumens	19470.5	0.0	19470.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.1	1.5
10°-20°	1140.6	5.9
20°-30°	2308.0	11.9
30°-40°	4083.1	21.0
40°-50°	5952.4	30.6
50°-60°	4771.0	24.5
60°-70°	859.5	4.4
70°-80°	67.7	0.3
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°	19470.5	100.0
0°-180°	19470.5	100.0

Coefficient of Utilization



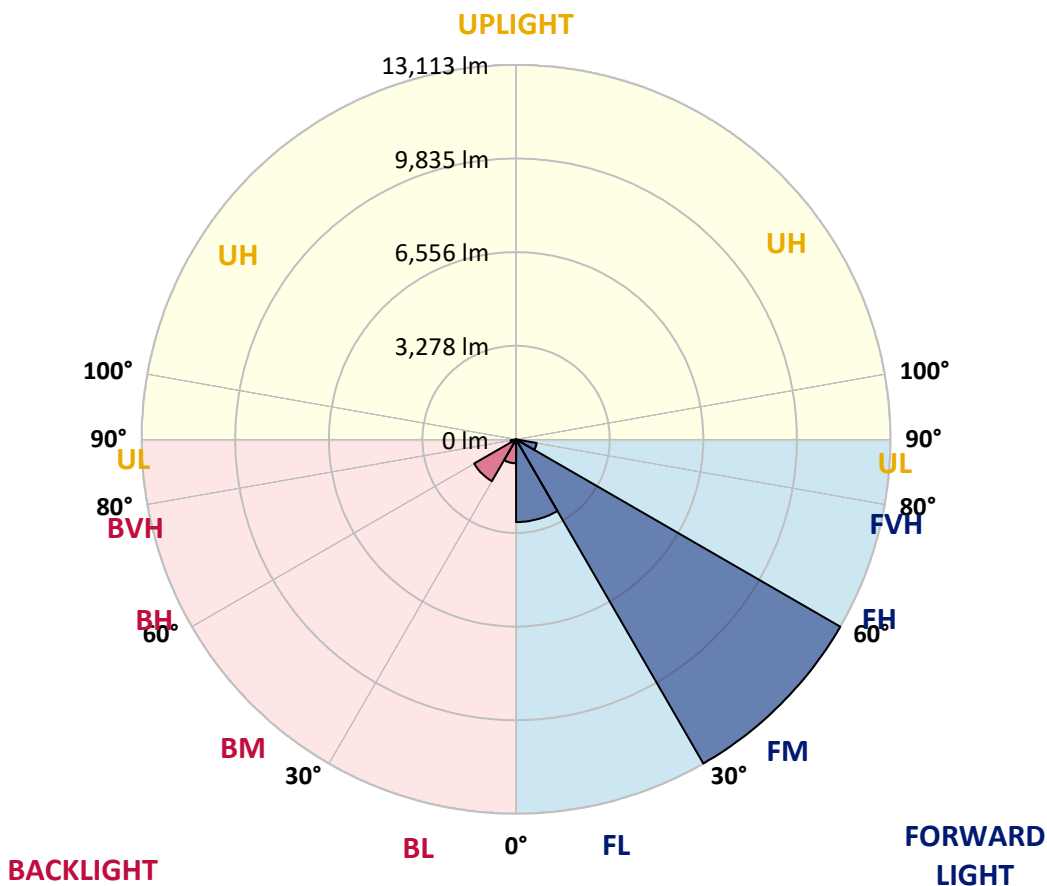
REPORT NUMBER: P642287

CATALOG NUMBER: GWS-SA6C-750-U-T2R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2897.1	14.9			
FM (30°-60°)	13112.8	67.3			
FH (60°-80°)	733.4	3.8			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	839.6	4.3	B2/1000		
BM (30°-60°)	1693.7	8.7	B2/2500		
BH (60°-80°)	193.8	1.0	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: B2-U0-G1
 Type II Short





REPORT NUMBER: P642287

CATALOG NUMBER: GWS-SA6C-750-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7
2.5°	3441.7	3387.6	3356.4	3331.4	3221.0	3046.1	2931.6	2871.2	2771.3	2602.6	2456.9
5°	4491.1	4451.6	4378.7	4328.7	4187.1	3939.4	3683.3	3581.2	3354.3	2973.3	2631.8
7.5°	5186.5	5157.4	5130.3	5063.7	4930.4	4705.6	4422.4	4316.2	3966.4	3425.1	2865.0
10°	5721.6	5698.7	5667.5	5665.4	5561.3	5359.4	5082.4	4972.1	4593.1	3916.5	3139.8
12.5°	6192.2	6173.5	6167.2	6225.5	6158.9	6009.0	5709.1	5571.7	5169.9	4418.2	3443.8
15°	6514.9	6510.8	6537.8	6652.3	6689.8	6621.1	6369.2	6221.3	5759.1	4922.1	3779.0
17.5°	6662.8	6675.2	6727.3	6925.1	7091.7	7150.0	6956.3	6831.4	6344.2	5432.2	4137.2
20°	6914.7	6910.5	6941.8	7129.1	7333.2	7541.4	7483.1	7376.9	6935.5	5971.5	4534.8
22.5°	7624.7	7564.3	7497.7	7526.8	7599.7	7843.3	7951.6	7897.4	7545.6	6525.3	4945.0
25°	8715.7	8653.3	8438.8	8230.6	8093.2	8203.5	8351.3	8378.4	8151.5	7093.8	5373.9
27.5°	9873.4	9817.2	9575.6	9263.3	8869.8	8678.2	8788.6	8842.7	8746.9	7770.4	5829.9
30°	10958.1	10883.2	10618.8	10231.5	9775.5	9481.9	9357.0	9394.5	9450.7	8572.1	6365.0
32.5°	11899.3	11843.0	11526.6	11118.5	10679.1	10373.1	10081.6	10144.0	10281.5	9552.7	7050.0
35°	12696.7	12667.6	12332.3	11926.3	11462.0	11305.9	11056.0	11068.5	11205.9	10737.4	7885.0
37.5°	13390.1	13340.1	13036.1	12659.2	12290.7	12265.7	12197.0	12203.3	12274.0	12117.9	8844.8
40°	13827.3	13781.5	13565.0	13331.8	13069.4	13073.6	13429.6	13456.7	13375.5	13473.3	9858.8
42.5°	13991.8	13958.5	13841.9	13844.0	13816.9	13939.7	14608.1	14658.1	14366.6	14537.3	10725.0
45°	13706.5	13692.0	13700.3	14000.1	14324.9	14703.9	15572.1	15659.6	15247.3	15243.1	11401.6
47.5°	12786.2	12757.1	13000.7	13510.8	14262.5	14999.5	16155.1	16290.4	15863.6	15647.1	11826.4
50°	10983.1	11066.4	11451.6	12217.8	13360.9	14593.5	16148.9	16384.1	15886.5	15611.7	11755.6
52.5°	7955.7	7939.1	8782.3	9835.9	11226.7	13294.3	15291.0	15634.6	15330.6	15264.0	11597.4
55°	4328.7	4480.7	5049.1	6444.1	8180.6	10835.3	13331.8	14081.3	14433.2	15136.9	11882.6
57.5°	1590.7	1657.4	2013.4	3000.3	4330.8	6737.7	10183.6	11314.2	12401.1	14783.0	11834.7
60°	641.3	653.8	795.4	1103.5	1819.8	3429.2	6108.9	7112.5	8136.9	11316.3	9082.2
62.5°	466.4	483.0	539.3	645.5	920.3	1499.1	2633.9	3062.8	3348.0	5605.0	4474.5
65°	376.9	389.4	435.2	483.0	608.0	805.8	849.5	818.3	814.1	1449.1	1026.5
67.5°	312.3	324.8	358.1	391.4	437.2	401.8	291.5	306.1	249.9	247.8	202.0
70°	229.0	243.6	276.9	312.3	262.3	108.3	168.7	249.9	189.5	158.2	154.1
72.5°	172.8	183.2	214.5	204.0	77.0	41.6	112.4	181.1	145.7	116.6	114.5
75°	129.1	135.3	108.3	33.3	8.3	10.4	41.6	75.0	81.2	66.6	66.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.2	6.2	8.3	10.4	12.5
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



REPORT NUMBER: P642287

CATALOG NUMBER: GWS-SA6C-750-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7	2325.7
2.5°	2373.6	2286.2	2161.2	2057.1	1978.0	1901.0	1842.7	1784.4	1782.3	1753.1	1746.9
5°	2473.5	2315.3	2086.3	1921.8	1821.8	1761.5	1719.8	1699.0	1688.6	1678.2	1674.0
7.5°	2617.2	2390.3	2073.8	1898.9	1815.6	1776.0	1746.9	1734.4	1728.2	1719.8	1717.7
10°	2794.2	2498.5	2119.6	1942.6	1869.7	1832.3	1801.0	1782.3	1771.9	1757.3	1753.1
12.5°	3006.6	2631.8	2192.5	2015.5	1938.4	1888.5	1846.8	1819.8	1805.2	1786.5	1782.3
15°	3235.6	2775.5	2273.7	2082.1	1990.5	1926.0	1873.9	1832.3	1805.2	1782.3	1776.0
17.5°	3473.0	2921.2	2346.5	2127.9	2015.5	1938.4	1863.5	1807.3	1774.0	1744.8	1736.5
20°	3739.5	3071.1	2394.4	2136.2	2007.2	1905.1	1817.7	1746.9	1713.6	1674.0	1665.7
22.5°	4018.5	3210.6	2415.2	2117.5	1961.3	1842.7	1749.0	1676.1	1628.2	1586.6	1574.1
25°	4289.1	3335.5	2404.8	2065.5	1892.6	1755.2	1659.4	1584.5	1532.4	1490.8	1480.4
27.5°	4576.5	3439.6	2367.4	1988.4	1798.9	1659.4	1567.8	1503.3	1455.4	1409.6	1399.2
30°	4899.2	3535.4	2307.0	1894.7	1688.6	1561.6	1490.8	1447.1	1395.0	1347.1	1332.6
32.5°	5288.6	3620.8	2219.5	1782.3	1590.7	1476.2	1436.7	1403.3	1343.0	1293.0	1282.6
35°	5734.1	3691.6	2109.2	1665.7	1495.0	1422.1	1413.8	1370.0	1290.9	1232.6	1220.1
37.5°	6250.5	3760.3	1978.0	1551.2	1424.2	1397.1	1399.2	1324.2	1228.4	1157.7	1149.3
40°	6806.4	3829.0	1832.3	1451.2	1359.6	1382.5	1363.8	1257.6	1101.4	1032.7	1024.4
42.5°	7385.2	3904.0	1684.4	1357.5	1305.5	1326.3	1299.2	1124.3	1011.9	976.5	972.3
45°	7907.9	3993.5	1524.1	1263.8	1251.3	1245.1	1199.3	1018.2	970.3	945.3	943.2
47.5°	8284.7	3978.9	1353.4	1174.3	1193.0	1172.2	1032.7	968.2	928.6	895.3	887.0
50°	8216.0	3724.9	1176.4	1074.4	1118.1	1099.4	928.6	909.9	874.5	839.1	826.6
52.5°	8041.1	3379.3	1022.3	968.2	1036.9	993.2	857.8	839.1	807.9	762.1	747.5
55°	8134.8	3054.5	901.6	882.8	953.6	822.4	778.7	749.6	716.2	666.3	660.0
57.5°	7832.9	2492.3	724.6	737.1	843.3	701.7	682.9	637.1	580.9	547.6	543.4
60°	5421.8	1338.8	453.9	468.5	610.1	589.2	612.1	570.5	501.8	470.6	464.3
62.5°	2490.2	537.2	247.8	237.4	320.6	399.8	524.7	520.5	435.2	385.2	381.0
65°	603.8	245.7	177.0	166.6	181.1	239.4	341.5	410.2	351.9	293.6	287.3
67.5°	195.7	199.9	162.4	152.0	160.3	179.1	204.0	227.0	224.9	206.1	202.0
70°	156.2	181.1	149.9	137.4	137.4	143.7	137.4	110.4	95.8	104.1	108.3
72.5°	116.6	137.4	118.7	106.2	102.0	99.9	85.4	62.5	43.7	39.6	37.5
75°	68.7	77.0	72.9	62.5	58.3	52.1	41.6	27.1	14.6	10.4	6.2
77.5°	12.5	14.6	16.7	12.5	10.4	8.3	6.2	2.1	0.0	0.0	0.0
80°	0.0	2.1	2.1	2.1	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)