

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: P641792

Luminaire Tested: GWS-SA6B-750-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641792
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-SA6B-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: 14518.2 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

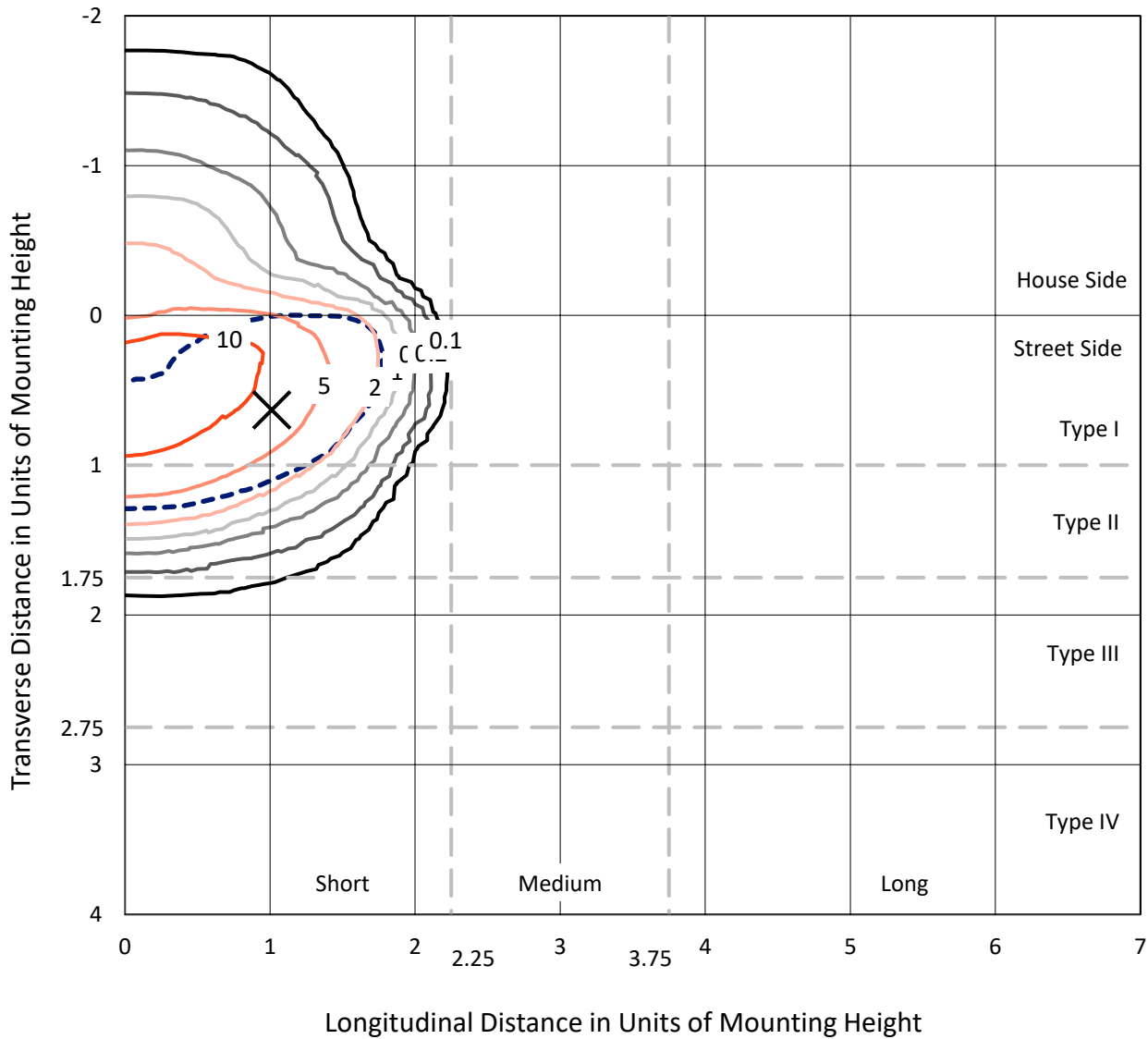
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641792
 CATALOG NUMBER: GWS-SA6B-750-U-T2R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

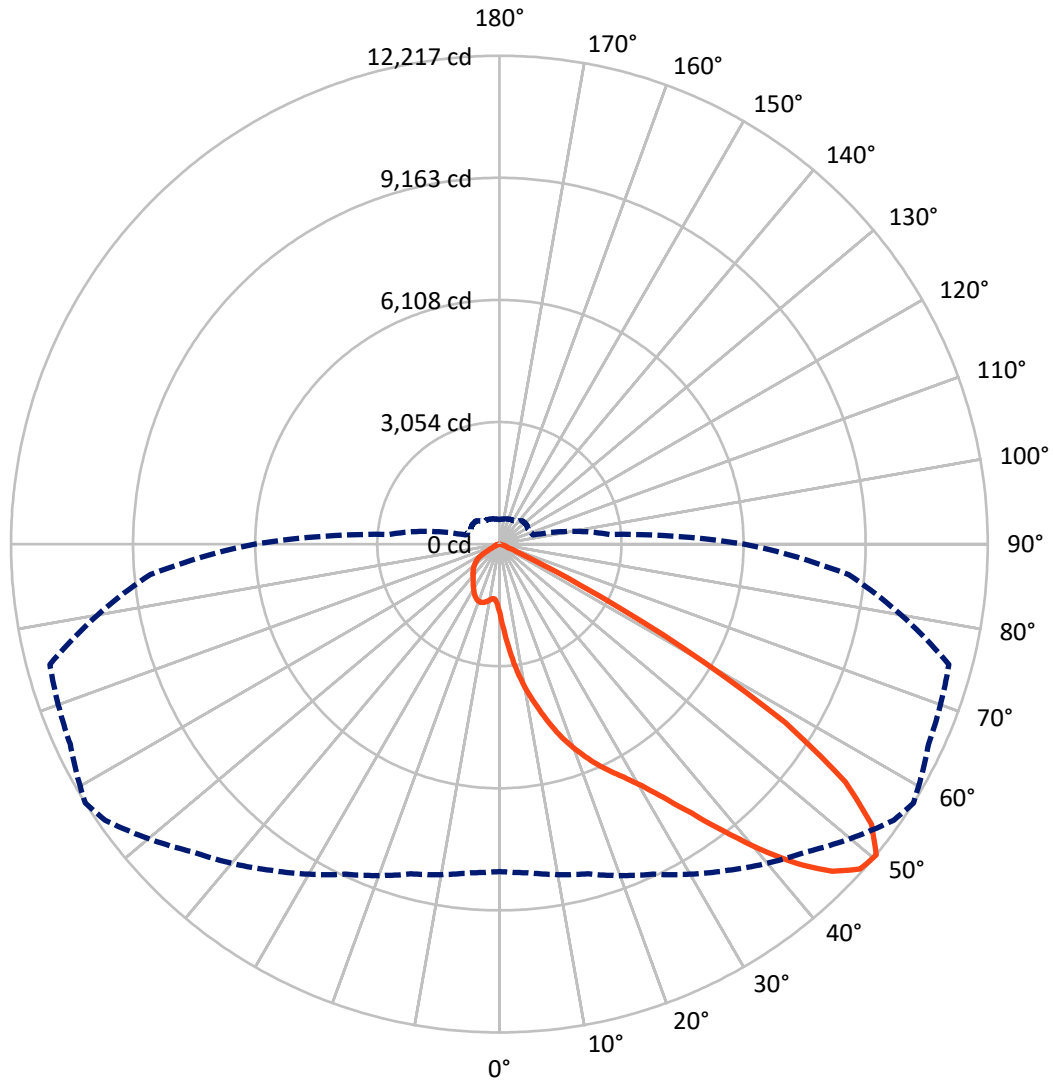
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.3 fc
 Type II - Short - N/A

REPORT NUMBER: P641792
CATALOG NUMBER: GWS-SA6B-750-U-T2R-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P641792

CATALOG NUMBER: GWS-SA6B-750-U-T2R-W-GRSBK

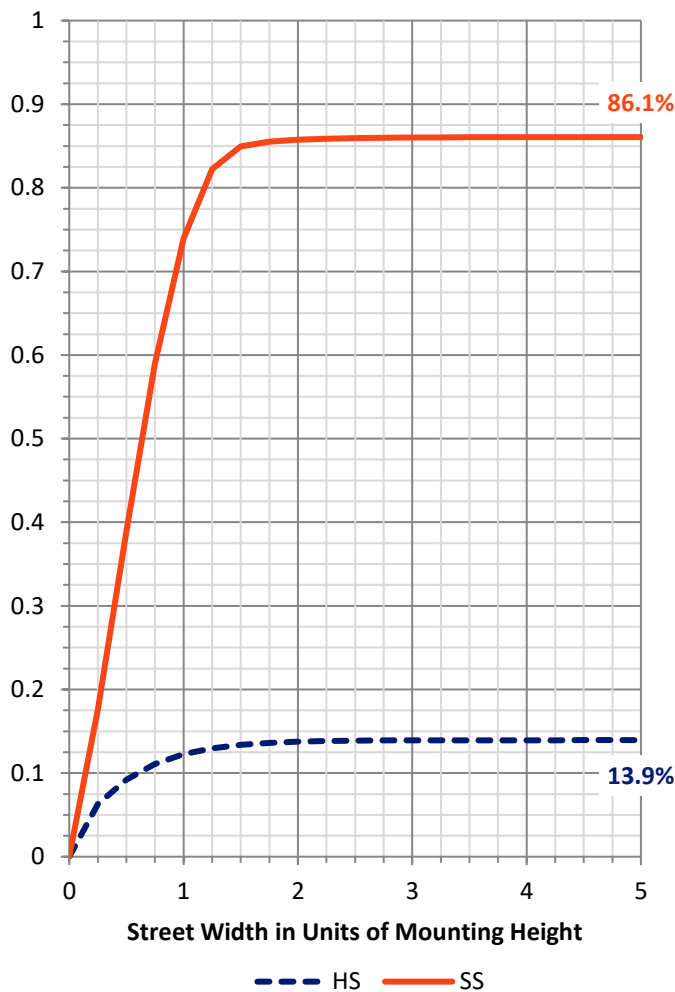
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2033.5	0.0	2033.5
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	12484.7	0.0	12484.7
	% Fixture	86.0	0.0	86.0
Total	Lumens	14518.2	0.0	14518.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.8	1.5
10°-20°	850.5	5.9
20°-30°	1721.0	11.9
30°-40°	3044.6	21.0
40°-50°	4438.4	30.6
50°-60°	3557.5	24.5
60°-70°	640.9	4.4
70°-80°	50.5	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°	14518.2	100.0
0°-180°	14518.2	100.0

Coefficient of Utilization



REPORT NUMBER: P641792

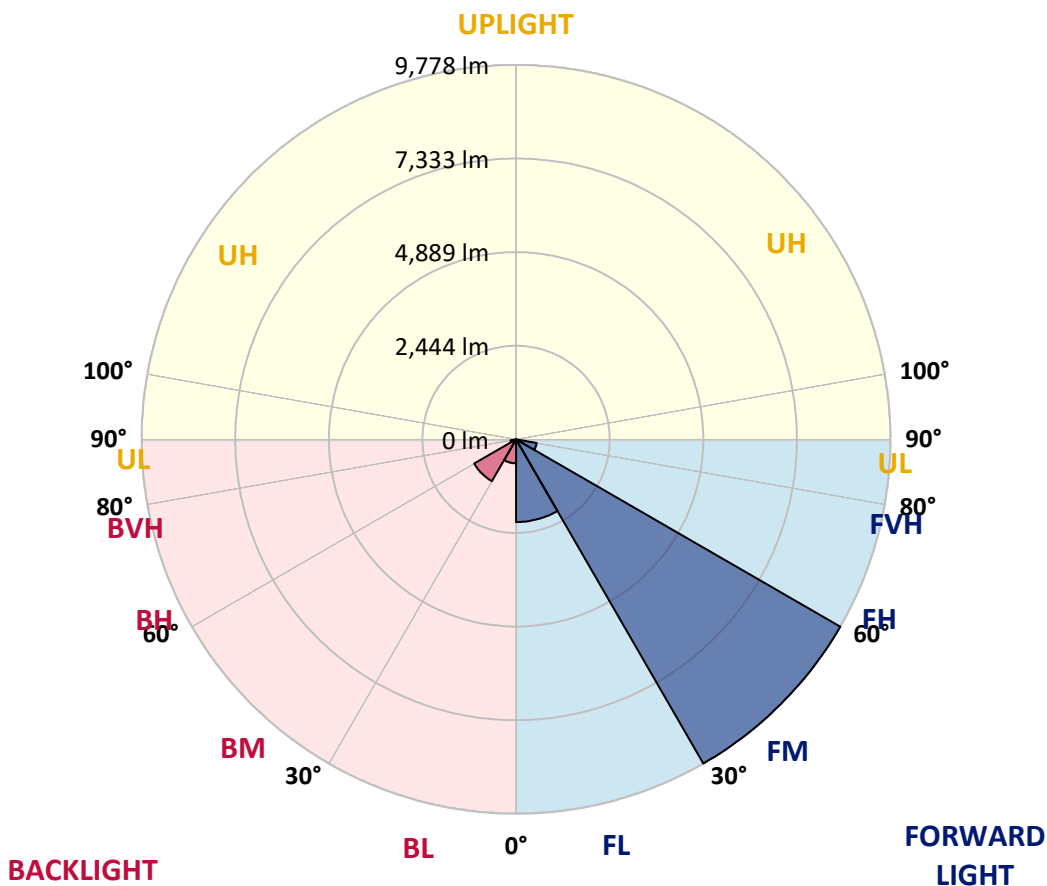
CATALOG NUMBER: GWS-SA6B-750-U-T2R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2160.3	14.9			
FM (30°-60°)	9777.6	67.3			
FH (60°-80°)	546.9	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	626.0	4.3	B2/1000		
BM (30°-60°)	1262.9	8.7	B2/2500		
BH (60°-80°)	144.5	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: P641792

CATALOG NUMBER: GWS-SA6B-750-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2
2.5°	2566.3	2526.0	2502.7	2484.0	2401.8	2271.3	2186.0	2140.9	2066.4	1940.7	1832.0
5°	3348.8	3319.3	3265.0	3227.7	3122.1	2937.4	2746.4	2670.3	2501.1	2217.0	1962.4
7.5°	3867.3	3845.6	3825.4	3775.7	3676.4	3508.7	3297.6	3218.4	2957.6	2553.9	2136.3
10°	4266.3	4249.3	4226.0	4224.4	4146.8	3996.2	3789.7	3707.4	3424.9	2920.3	2341.2
12.5°	4617.2	4603.2	4598.6	4642.1	4592.4	4480.6	4257.0	4154.6	3854.9	3294.5	2567.9
15°	4857.9	4854.8	4874.9	4960.3	4988.3	4937.0	4749.2	4639.0	4294.3	3670.2	2817.8
17.5°	4968.1	4977.4	5016.2	5163.7	5287.9	5331.4	5187.0	5093.8	4730.6	4050.5	3084.9
20°	5155.9	5152.8	5176.1	5315.9	5468.0	5623.3	5579.8	5500.6	5171.5	4452.7	3381.4
22.5°	5685.4	5640.3	5590.7	5612.4	5666.7	5848.4	5929.1	5888.7	5626.4	4865.6	3687.3
25°	6498.9	6452.3	6292.4	6137.1	6034.7	6117.0	6227.2	6247.4	6078.1	5289.5	4007.1
27.5°	7362.1	7320.2	7140.1	6907.2	6613.8	6470.9	6553.2	6593.6	6522.2	5794.0	4347.1
30°	8171.0	8115.1	7917.9	7629.1	7289.1	7070.2	6977.1	7005.0	7046.9	6391.8	4746.1
32.5°	8872.7	8830.8	8594.8	8290.5	7962.9	7734.7	7517.3	7563.9	7666.4	7123.0	5256.9
35°	9467.3	9445.6	9195.6	8892.9	8546.7	8430.2	8243.9	8253.2	8355.7	8006.4	5879.4
37.5°	9984.3	9947.0	9720.4	9439.4	9164.6	9145.9	9094.7	9099.4	9152.2	9035.7	6595.1
40°	10310.3	10276.2	10114.7	9940.8	9745.2	9748.3	10013.8	10034.0	9973.4	10046.4	7351.2
42.5°	10433.0	10408.1	10321.2	10322.8	10302.6	10394.2	10892.5	10929.8	10712.4	10839.8	7997.1
45°	10220.3	10209.4	10215.6	10439.2	10681.4	10964.0	11611.4	11676.6	11369.2	11366.1	8501.6
47.5°	9534.1	9512.3	9694.0	10074.4	10634.8	11184.4	12046.1	12147.0	11828.7	11667.2	8818.4
50°	8189.6	8251.7	8538.9	9110.2	9962.6	10881.7	12041.4	12216.8	11845.8	11640.9	8765.6
52.5°	5932.2	5919.8	6548.6	7334.1	8371.2	9912.9	11401.8	11657.9	11431.3	11381.6	8647.6
55°	3227.7	3341.0	3764.9	4805.1	6099.9	8079.4	9940.8	10499.7	10762.1	11286.9	8860.3
57.5°	1186.1	1235.8	1501.3	2237.2	3229.3	5024.0	7593.4	8436.4	9246.9	11023.0	8824.6
60°	478.2	487.5	593.1	822.8	1356.9	2557.0	4555.1	5303.4	6067.3	8438.0	6772.1
62.5°	347.8	360.2	402.1	481.3	686.2	1117.8	1963.9	2283.8	2496.5	4179.4	3336.4
65°	281.0	290.3	324.5	360.2	453.3	600.8	633.4	610.1	607.0	1080.6	765.4
67.5°	232.9	242.2	267.0	291.9	326.0	299.6	217.4	228.2	186.3	184.8	150.6
70°	170.8	181.6	206.5	232.9	195.6	80.7	125.8	186.3	141.3	118.0	114.9
72.5°	128.9	136.6	159.9	152.1	57.4	31.1	83.8	135.1	108.7	86.9	85.4
75°	96.3	100.9	80.7	24.8	6.2	7.8	31.1	55.9	60.5	49.7	49.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	4.7	6.2	7.8	9.3
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: P641792

CATALOG NUMBER: GWS-SA6B-750-U-T2R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2	1734.2
2.5°	1769.9	1704.7	1611.5	1533.9	1474.9	1417.5	1374.0	1330.5	1329.0	1307.2	1302.6
5°	1844.4	1726.4	1555.6	1433.0	1358.5	1313.4	1282.4	1266.9	1259.1	1251.3	1248.2
7.5°	1951.5	1782.3	1546.3	1415.9	1353.8	1324.3	1302.6	1293.3	1288.6	1282.4	1280.8
10°	2083.5	1863.0	1580.5	1448.5	1394.2	1366.2	1342.9	1329.0	1321.2	1310.3	1307.2
12.5°	2241.9	1962.4	1634.8	1502.8	1445.4	1408.1	1377.1	1356.9	1346.0	1332.1	1329.0
15°	2412.6	2069.5	1695.4	1552.5	1484.2	1436.1	1397.3	1366.2	1346.0	1329.0	1324.3
17.5°	2589.6	2178.2	1749.7	1586.7	1502.8	1445.4	1389.5	1347.6	1322.8	1301.0	1294.8
20°	2788.3	2290.0	1785.4	1592.9	1496.6	1420.6	1355.4	1302.6	1277.7	1248.2	1242.0
22.5°	2996.4	2394.0	1800.9	1578.9	1462.5	1374.0	1304.1	1249.8	1214.1	1183.0	1173.7
25°	3198.2	2487.2	1793.2	1540.1	1411.2	1308.8	1237.4	1181.5	1142.7	1111.6	1103.8
27.5°	3412.5	2564.8	1765.2	1482.7	1341.4	1237.4	1169.1	1120.9	1085.2	1051.1	1043.3
30°	3653.1	2636.2	1720.2	1412.8	1259.1	1164.4	1111.6	1079.0	1040.2	1004.5	993.6
32.5°	3943.4	2699.8	1655.0	1329.0	1186.1	1100.7	1071.2	1046.4	1001.4	964.1	956.4
35°	4275.7	2752.6	1572.7	1242.0	1114.7	1060.4	1054.2	1021.6	962.6	919.1	909.8
37.5°	4660.7	2803.9	1474.9	1156.6	1061.9	1041.7	1043.3	987.4	916.0	863.2	857.0
40°	5075.2	2855.1	1366.2	1082.1	1013.8	1030.9	1016.9	937.7	821.3	770.1	763.8
42.5°	5506.8	2911.0	1256.0	1012.2	973.4	989.0	968.8	838.4	754.5	728.1	725.0
45°	5896.5	2977.7	1136.5	942.4	933.1	928.4	894.3	759.2	723.5	704.8	703.3
47.5°	6177.5	2966.9	1009.1	875.6	889.6	874.1	770.1	721.9	692.4	667.6	661.4
50°	6126.3	2777.5	877.2	801.1	833.7	819.7	692.4	678.5	652.1	625.7	616.4
52.5°	5995.9	2519.8	762.3	721.9	773.2	740.6	639.6	625.7	602.4	568.2	557.4
55°	6065.7	2277.6	672.2	658.3	711.1	613.2	580.6	558.9	534.1	496.8	492.2
57.5°	5840.6	1858.4	540.3	549.6	628.8	523.2	509.2	475.1	433.2	408.3	405.2
60°	4042.8	998.3	338.5	349.3	454.9	439.4	456.4	425.4	374.2	350.9	346.2
62.5°	1856.8	400.6	184.8	177.0	239.1	298.1	391.2	388.1	324.5	287.2	284.1
65°	450.2	183.2	132.0	124.2	135.1	178.5	254.6	305.8	262.4	218.9	214.2
67.5°	145.9	149.0	121.1	113.3	119.5	133.5	152.1	169.2	167.7	153.7	150.6
70°	116.4	135.1	111.8	102.5	102.5	107.1	102.5	82.3	71.4	77.6	80.7
72.5°	86.9	102.5	88.5	79.2	76.1	74.5	63.7	46.6	32.6	29.5	27.9
75°	51.2	57.4	54.3	46.6	43.5	38.8	31.1	20.2	10.9	7.8	4.7
77.5°	9.3	10.9	12.4	9.3	7.8	6.2	4.7	1.6	0.0	0.0	0.0
80°	0.0	1.6	1.6	1.6	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)