

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: P642598

Luminaire Tested: GWS-SA6D-730-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642598
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-SA6D-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19079.2 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

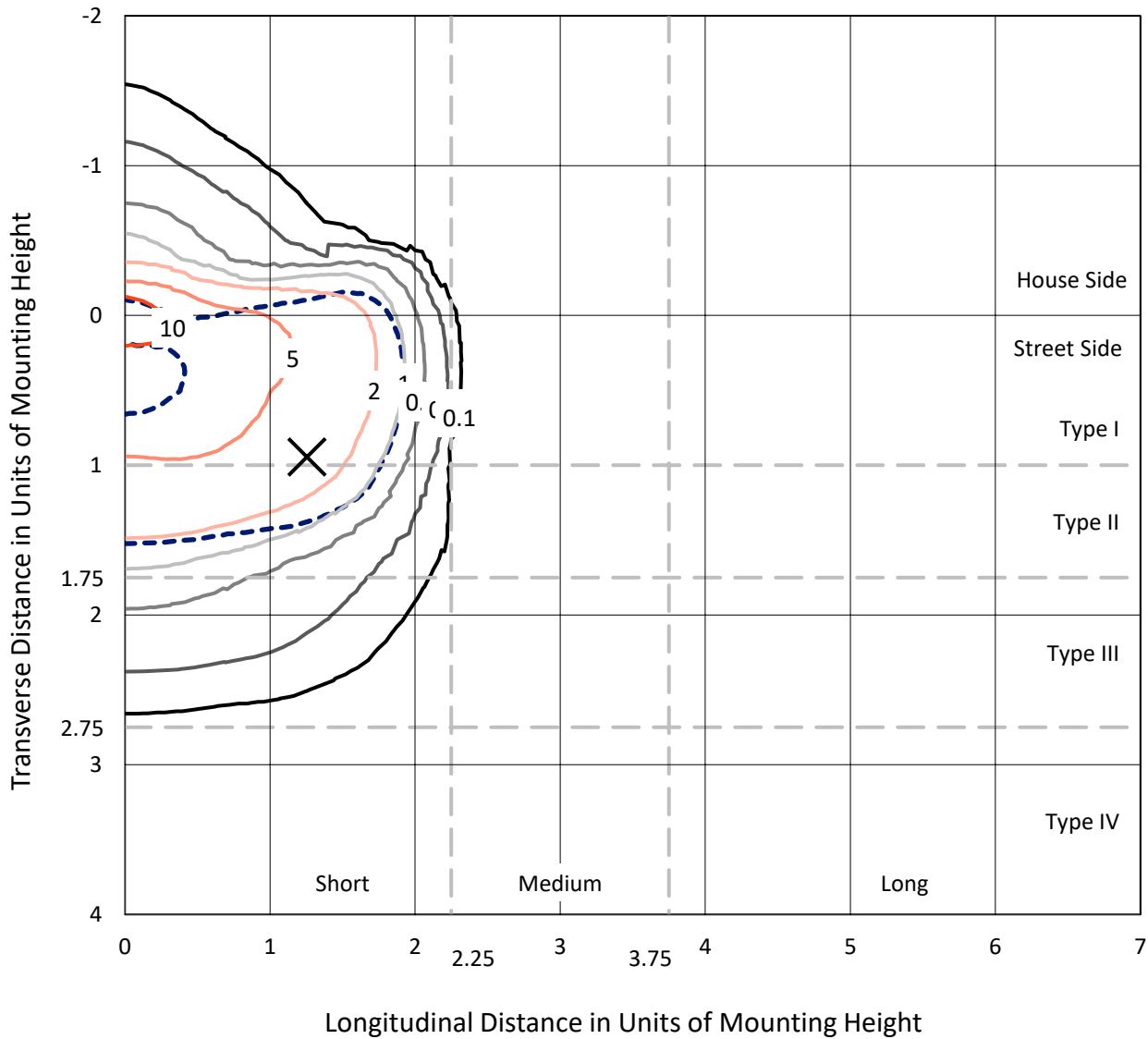
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642598
 CATALOG NUMBER: GWS-SA6D-730-U-SL3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

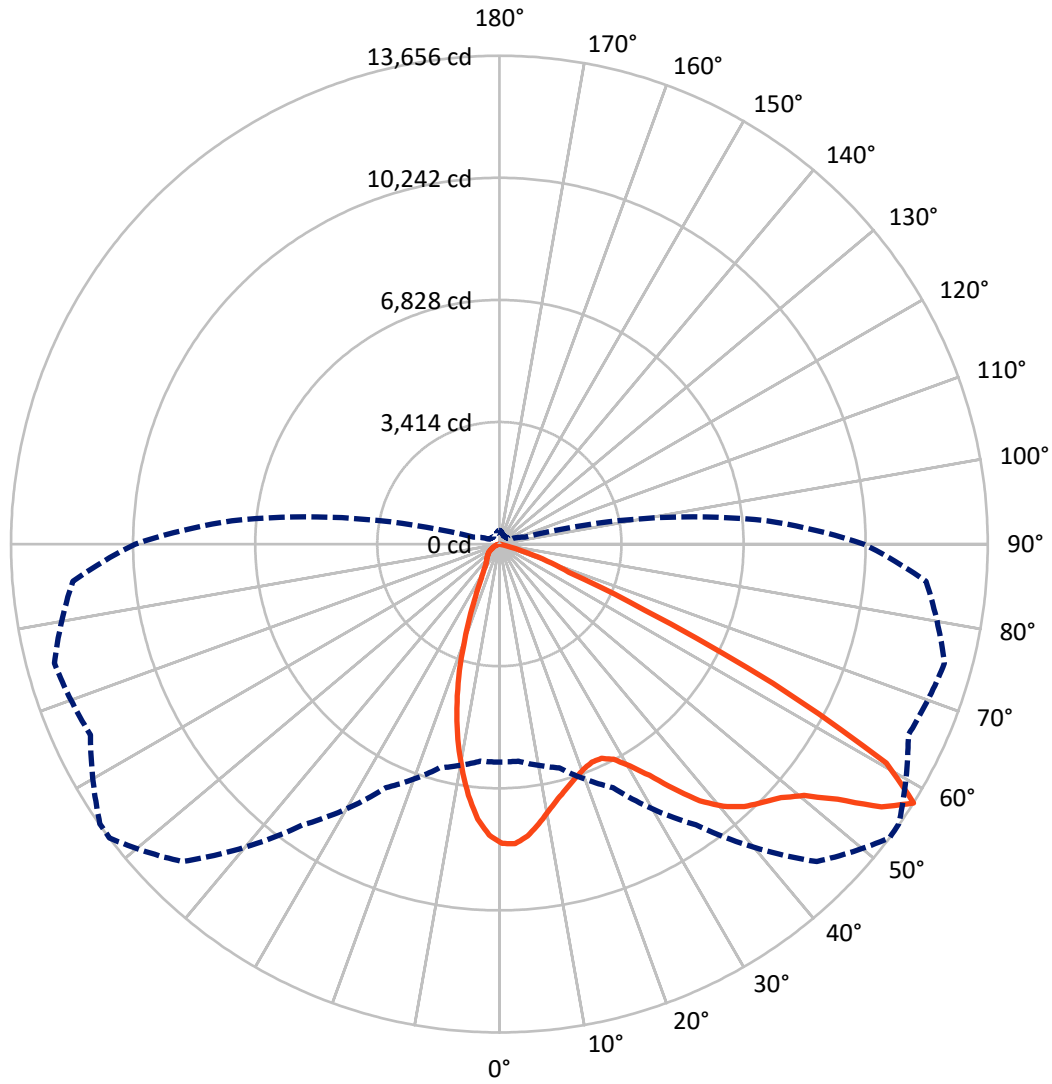
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc
 Type II - Short - N/A

REPORT NUMBER: P642598
CATALOG NUMBER: GWS-SA6D-730-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P642598

CATALOG NUMBER: GWS-SA6D-730-U-SL3-W-GRSBK

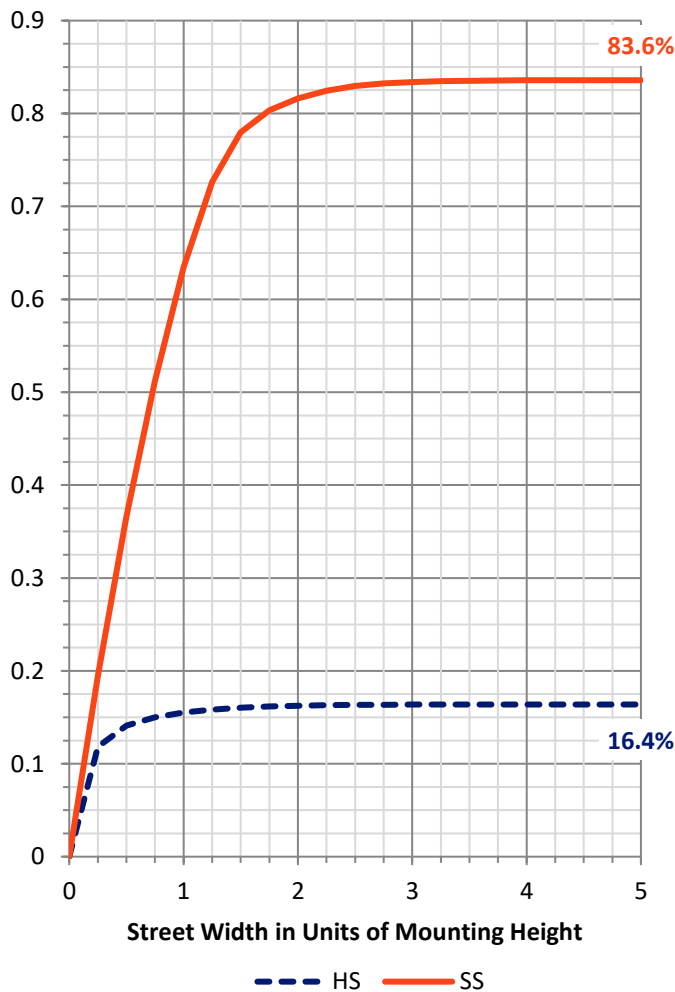
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3151.6	0.0	3151.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	15927.6	0.0	15927.6
	% Fixture	83.5	0.0	83.5
Total	Lumens	19079.2	0.0	19079.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	716.1	3.8
10°-20°	1572.0	8.2
20°-30°	2047.9	10.7
30°-40°	2970.5	15.6
40°-50°	4286.3	22.5
50°-60°	5183.8	27.2
60°-70°	2112.7	11.1
70°-80°	189.8	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°	19079.2	100.0
0°-180°	19079.2	100.0

Coefficient of Utilization



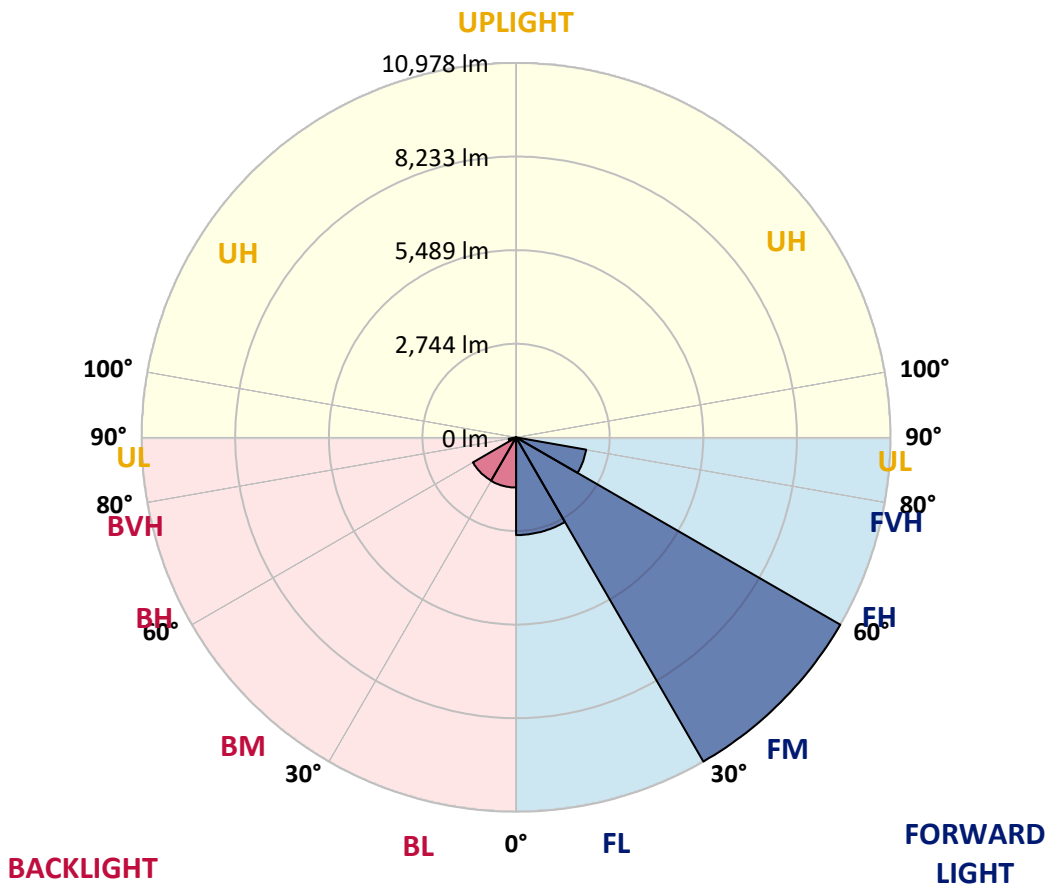
REPORT NUMBER: P642598

CATALOG NUMBER: GWS-SA6D-730-U-SL3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2865.1	15.0			
FM (30°-60°)	10977.8	57.5			
FH (60°-80°)	2084.7	10.9			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1470.9	7.7	B3/2500		
BM (30°-60°)	1462.8	7.7	B2/2500		
BH (60°-80°)	217.9	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





REPORT NUMBER: P642598

CATALOG NUMBER: GWS-SA6D-730-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2
2.5°	8252.3	8271.0	8303.7	8345.8	8373.9	8387.9	8387.9	8427.7	8402.0	8380.9	8357.5
5°	7899.2	7917.9	7962.3	8030.2	8098.0	8147.1	8203.2	8245.3	8261.7	8261.7	8221.9
7.5°	7401.1	7426.8	7454.9	7548.4	7695.8	7805.7	7901.5	7962.3	8051.2	8079.3	8023.1
10°	6865.6	6891.3	6954.5	7083.1	7251.5	7415.1	7578.8	7656.0	7808.0	7887.5	7824.4
12.5°	6412.0	6423.7	6507.8	6662.2	6877.3	7101.8	7300.6	7380.1	7595.2	7714.5	7639.6
15°	6037.8	6044.8	6129.0	6299.7	6547.6	6823.5	7073.7	7155.6	7419.8	7599.9	7487.6
17.5°	5754.9	5757.2	5829.7	6014.4	6274.0	6580.3	6877.3	6977.9	7319.3	7536.7	7368.4
20°	5612.2	5605.2	5656.7	5818.0	6063.5	6369.9	6720.6	6844.6	7263.1	7527.4	7277.2
22.5°	5614.6	5598.2	5619.2	5733.8	5941.9	6229.6	6622.4	6762.7	7267.8	7567.1	7200.0
25°	5747.8	5724.5	5729.1	5789.9	5937.3	6199.2	6636.5	6786.1	7361.4	7700.4	7172.0
27.5°	5972.3	5946.6	5946.6	5977.0	6056.5	6295.0	6811.8	6982.5	7611.6	7960.0	7230.4
30°	6262.3	6236.6	6227.2	6257.6	6323.1	6542.9	7202.4	7380.1	8039.5	8385.6	7417.5
32.5°	6594.4	6564.0	6580.3	6622.4	6685.6	6989.6	7705.1	7941.3	8575.0	8958.5	7754.2
35°	6945.1	6919.4	6994.2	7085.4	7183.6	7609.2	8399.6	8605.4	9232.1	9671.7	8268.7
37.5°	7279.5	7267.8	7424.5	7616.3	7819.7	8352.9	9105.8	9264.8	9795.7	10448.1	8897.7
40°	7613.9	7611.6	7880.5	8217.2	8542.3	9094.1	9641.3	9772.3	10139.4	11051.4	9501.0
42.5°	7988.1	7988.1	8359.9	8808.8	9241.5	9720.8	10034.2	10092.6	10293.7	11399.8	9954.7
45°	8345.8	8366.9	8797.2	9318.6	9830.7	10209.6	10305.4	10310.1	10356.9	11605.6	10331.2
47.5°	8628.8	8647.5	9162.0	9762.9	10314.8	10581.4	10595.4	10574.4	10522.9	11802.0	10621.1
50°	8858.0	8886.0	9423.9	10059.9	10646.9	10939.2	11046.7	11025.7	10894.7	12012.5	10824.6
52.5°	8970.2	9010.0	9515.1	10207.2	11016.3	11551.8	11851.1	11900.2	11451.3	12129.4	11018.7
55°	8072.2	8130.7	8596.1	9543.1	11222.1	12498.9	12968.9	12959.6	12054.6	12477.8	11491.0
57.5°	6096.3	6091.6	6477.4	7513.4	9585.2	12552.7	13656.4	13637.7	12618.1	12882.4	11975.1
60°	4150.7	4122.6	4225.5	4726.0	6701.9	10225.9	12428.7	12681.3	12218.3	11900.2	10167.5
62.5°	3416.4	3390.7	3358.0	3220.0	3849.0	6369.9	8586.7	8970.2	8909.4	8271.0	6376.9
65°	2796.8	2817.8	2909.0	2850.5	2677.5	3266.8	4457.0	4683.9	4281.7	3603.5	2228.5
67.5°	2062.5	2071.8	2191.1	2499.8	2406.2	2174.7	2097.6	2135.0	1251.1	575.3	371.8
70°	1218.3	1225.3	1335.2	1749.1	1952.6	1669.6	1417.1	1396.0	495.7	154.3	168.4
72.5°	689.8	675.8	696.9	832.5	1064.0	886.3	729.6	664.1	149.7	86.5	86.5
75°	327.4	318.0	273.6	257.2	233.8	149.7	93.5	79.5	37.4	35.1	35.1
77.5°	2.3	7.0	4.7	7.0	7.0	4.7	2.3	2.3	7.0	7.0	9.4
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



REPORT NUMBER: P642598

CATALOG NUMBER: GWS-SA6D-730-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2	8369.2
2.5°	8315.4	8245.3	8228.9	8224.2	8158.8	8088.6	8016.1	7988.1	7946.0	7920.2	7941.3
5°	8158.8	8058.2	7969.4	7887.5	7742.5	7583.5	7445.5	7356.7	7272.5	7216.4	7230.4
7.5°	7936.6	7805.7	7602.2	7394.1	7127.5	6889.0	6622.4	6458.7	6306.7	6222.6	6262.3
10°	7700.4	7527.4	7202.4	6849.2	6430.7	6056.5	5675.4	5364.3	5184.3	5013.6	5032.3
12.5°	7468.9	7239.8	6753.4	6217.9	5689.4	5137.5	4562.3	4132.0	3837.4	3624.6	3591.8
15°	7253.8	6959.2	6316.1	5609.9	4889.6	4155.4	3421.1	2806.1	2464.7	2254.2	2240.2
17.5°	7062.0	6697.3	5862.4	4973.8	4071.2	3131.2	2287.0	1826.3	1629.9	1538.7	1529.3
20°	6877.3	6433.0	5399.4	4328.4	3177.9	2198.1	1578.4	1365.6	1302.5	1265.1	1269.8
22.5°	6699.6	6145.4	4913.0	3612.9	2382.9	1543.4	1223.0	1141.2	1134.1	1138.8	1141.2
25°	6549.9	5881.1	4412.6	2923.0	1700.0	1176.2	1021.9	998.5	1019.6	1050.0	1054.6
27.5°	6472.8	5666.0	3923.9	2228.5	1230.0	956.4	886.3	895.6	933.0	965.8	970.4
30°	6493.8	5504.7	3418.8	1615.9	947.1	806.8	783.4	802.1	839.5	869.9	874.6
32.5°	6643.5	5422.8	2902.0	1176.2	778.7	703.9	694.5	708.5	741.3	764.7	767.0
35°	6940.4	5441.5	2410.9	900.3	668.8	626.7	624.4	633.7	650.1	666.5	668.8
37.5°	7377.7	5593.5	1926.9	748.3	605.7	575.3	565.9	565.9	577.6	584.6	589.3
40°	7847.8	5822.7	1543.4	661.8	561.2	528.5	509.8	502.8	512.1	521.5	523.8
42.5°	8235.9	6051.8	1253.4	601.0	526.1	481.7	458.3	453.7	465.3	481.7	486.4
45°	8532.9	6229.6	1045.3	551.9	486.4	437.3	411.6	411.6	432.6	460.7	465.3
47.5°	8804.2	6372.2	890.9	507.4	449.0	397.5	371.8	376.5	411.6	449.0	456.0
50°	8988.9	6486.8	776.4	467.7	418.6	364.8	341.4	350.8	392.9	437.3	444.3
52.5°	9187.7	6627.1	701.5	432.6	390.5	339.1	318.0	325.0	371.8	420.9	430.3
55°	9737.2	7097.1	699.2	385.8	341.4	304.0	294.6	297.0	343.7	399.9	411.6
57.5°	10186.2	7511.0	746.0	325.0	285.3	266.6	261.9	264.2	306.3	369.5	383.5
60°	8427.7	5836.7	617.3	268.9	238.5	233.8	226.8	231.5	271.3	327.4	339.1
62.5°	4987.9	3336.9	294.6	205.8	203.4	198.8	191.8	201.1	238.5	287.6	294.6
65°	1704.7	989.2	187.1	168.4	173.0	166.0	159.0	168.4	201.1	229.2	231.5
67.5°	327.4	261.9	149.7	140.3	142.6	128.6	126.3	135.6	154.3	159.0	156.7
70°	170.7	152.0	114.6	114.6	109.9	91.2	91.2	100.6	100.6	93.5	91.2
72.5°	88.9	84.2	74.8	84.2	70.2	56.1	56.1	60.8	56.1	46.8	46.8
75°	35.1	35.1	32.7	42.1	30.4	25.7	23.4	28.1	21.0	16.4	16.4
77.5°	9.4	9.4	9.4	11.7	7.0	7.0	4.7	4.7	2.3	0.0	0.0
80°	0.0	2.3	0.0	2.3	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)