

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: P640123

Luminaire Tested: GWS-SA5D-730-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640123
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-SA5D-730-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16000.2 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

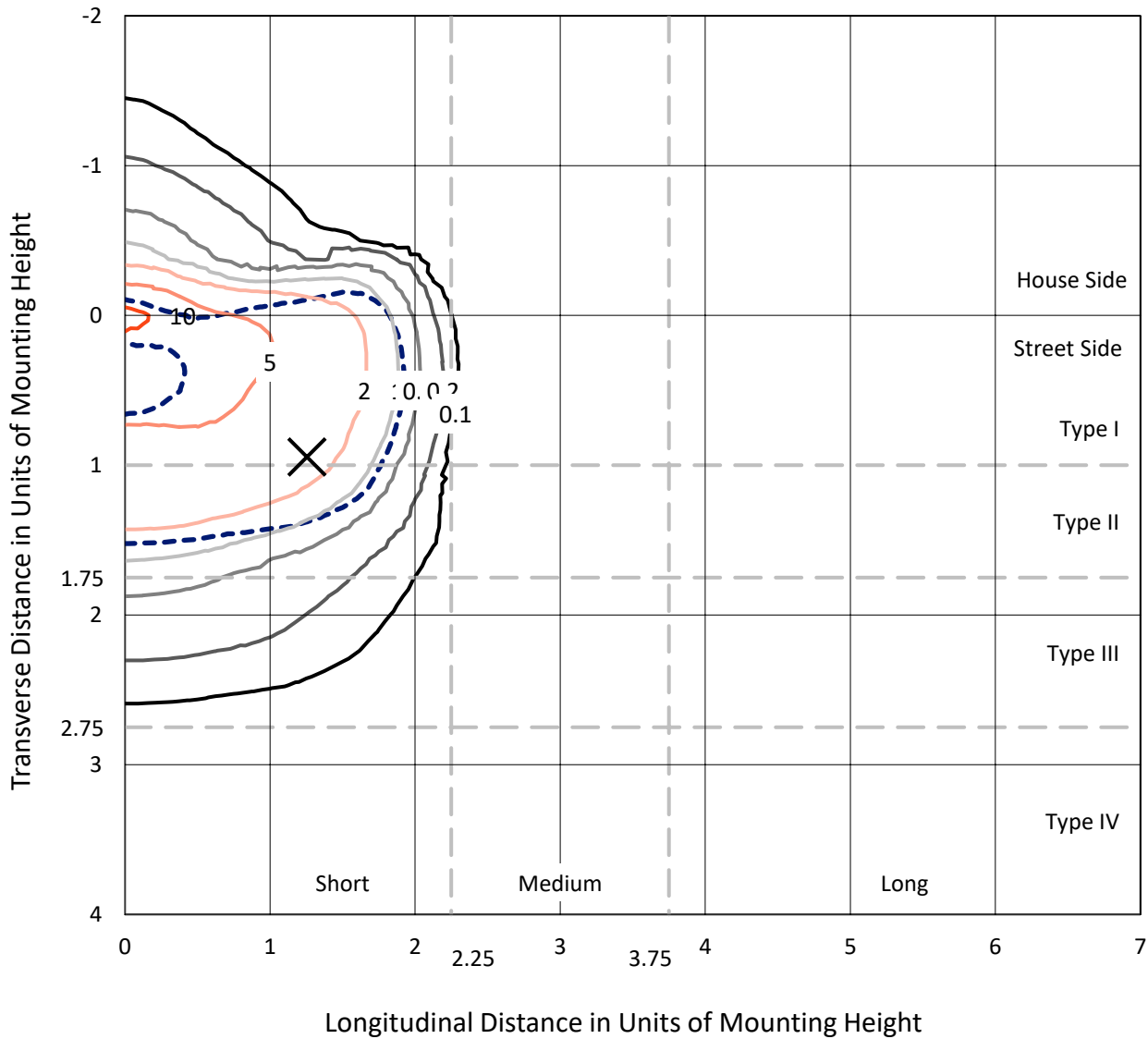
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640123
 CATALOG NUMBER: GWS-SA5D-730-U-SL3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

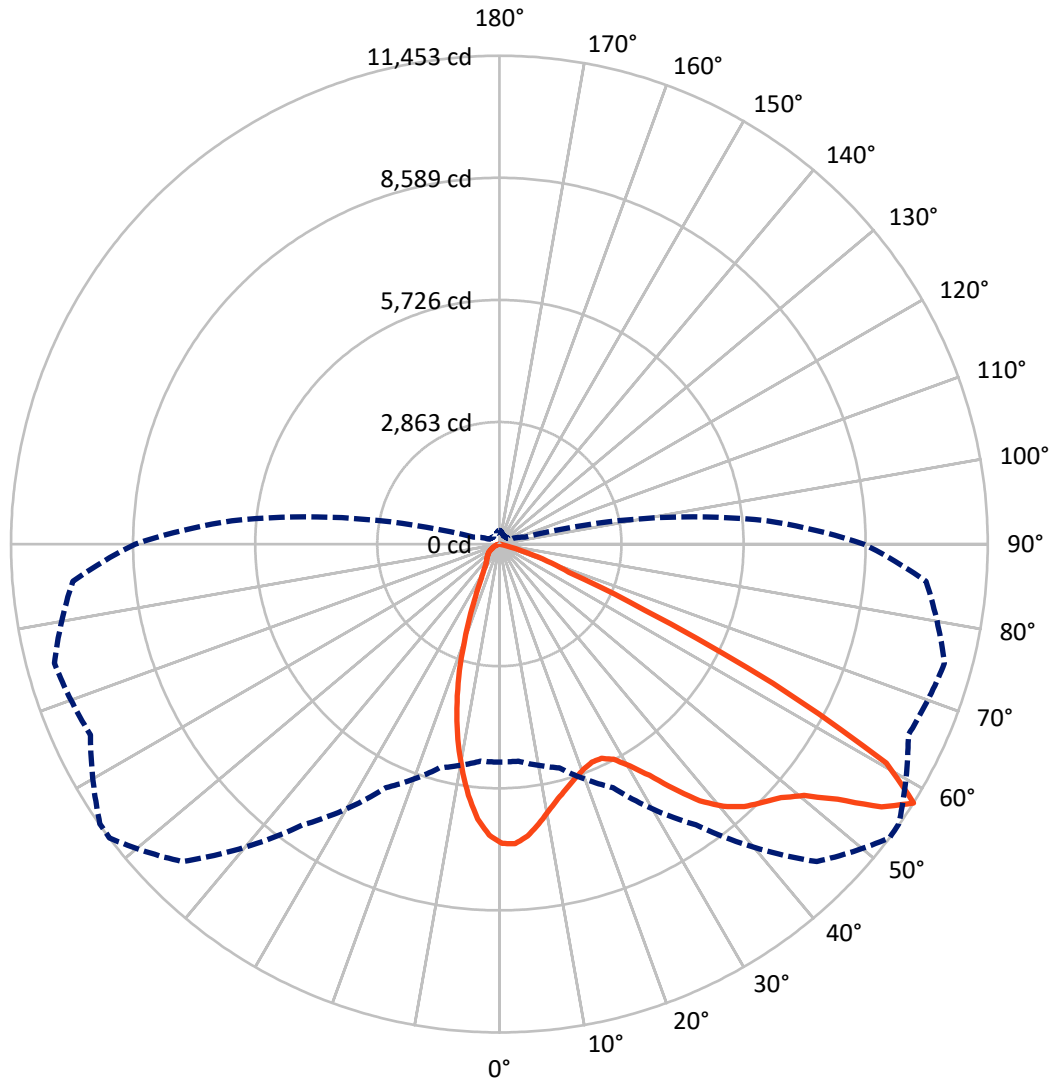
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - N/A

REPORT NUMBER: P640123
CATALOG NUMBER: GWS-SA5D-730-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640123

CATALOG NUMBER: GWS-SA5D-730-U-SL3-W-GRSBK

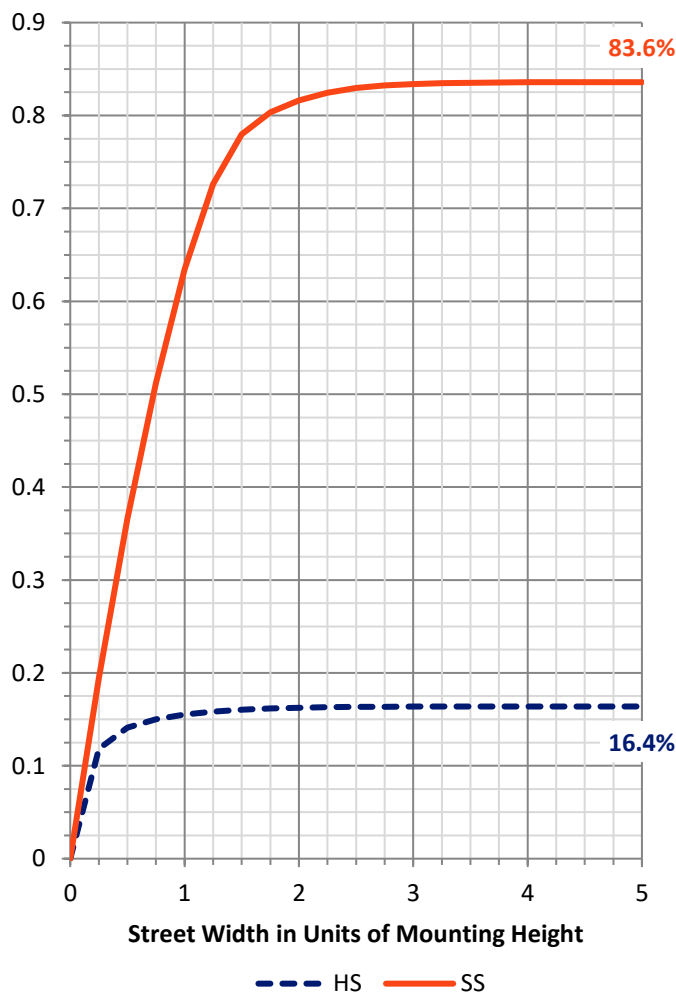
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2643.0	0.0	2643.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	13357.2	0.0	13357.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	16000.2	0.0	16000.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.5	3.8
10°-20°	1318.3	8.2
20°-30°	1717.4	10.7
30°-40°	2491.1	15.6
40°-50°	3594.5	22.5
50°-60°	4347.3	27.2
60°-70°	1771.8	11.1
70°-80°	159.2	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°	16000.2	100.0
0°-180°	16000.2	100.0

Coefficient of Utilization



REPORT NUMBER: P640123

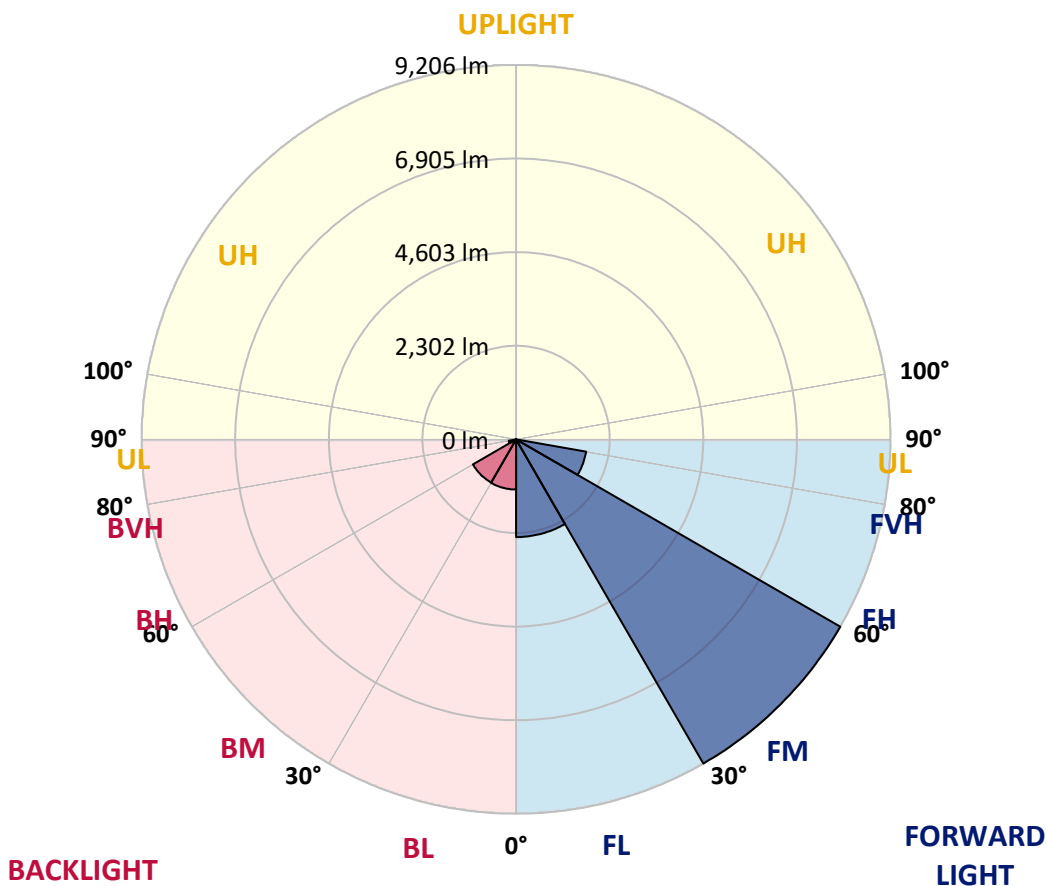
CATALOG NUMBER: GWS-SA5D-730-U-SL3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2402.7	15.0			
FM (30°-60°)	9206.2	57.5			
FH (60°-80°)	1748.3	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1233.5	7.7	B3/2500		
BM (30°-60°)	1226.8	7.7	B2/2500		
BH (60°-80°)	182.7	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-G1

Type II Short





REPORT NUMBER: P640123

CATALOG NUMBER: GWS-SA5D-730-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6
2.5°	6920.5	6936.2	6963.7	6999.0	7022.5	7034.3	7034.3	7067.6	7046.1	7028.4	7008.8
5°	6624.4	6640.1	6677.4	6734.2	6791.1	6832.3	6879.4	6914.7	6928.4	6928.4	6895.1
7.5°	6206.7	6228.3	6251.8	6330.3	6453.8	6546.0	6626.4	6677.4	6751.9	6775.4	6728.4
10°	5757.6	5779.2	5832.2	5940.0	6081.2	6218.5	6355.8	6420.5	6547.9	6614.6	6561.7
12.5°	5377.2	5387.0	5457.6	5587.0	5767.4	5955.7	6122.4	6189.1	6369.5	6469.5	6406.8
15°	5063.4	5069.3	5139.9	5283.1	5490.9	5722.3	5932.2	6000.8	6222.4	6373.4	6279.3
17.5°	4826.1	4828.1	4888.9	5043.8	5261.5	5518.4	5767.4	5851.8	6138.1	6320.5	6179.3
20°	4706.5	4700.6	4743.8	4879.1	5085.0	5341.9	5636.1	5740.0	6091.0	6312.6	6102.8
22.5°	4708.5	4694.8	4712.4	4808.5	4983.0	5224.2	5553.7	5671.4	6094.9	6346.0	6038.1
25°	4820.3	4800.7	4804.6	4855.6	4979.1	5198.7	5565.5	5691.0	6173.4	6457.7	6014.5
27.5°	5008.5	4987.0	4987.0	5012.4	5079.1	5279.1	5712.5	5855.7	6383.2	6675.4	6063.6
30°	5251.7	5230.1	5222.3	5247.8	5302.7	5487.0	6040.0	6189.1	6742.1	7032.3	6220.5
32.5°	5530.2	5504.7	5518.4	5553.7	5606.6	5861.6	6461.7	6659.7	7191.2	7512.8	6502.8
35°	5824.3	5802.7	5865.5	5942.0	6024.3	6381.3	7044.1	7216.7	7742.2	8110.9	6934.3
37.5°	6104.8	6094.9	6226.3	6387.1	6557.8	7004.9	7636.3	7769.7	8214.8	8762.0	7461.8
40°	6385.2	6383.2	6608.7	6891.1	7163.7	7626.5	8085.4	8195.2	8503.1	9267.9	7967.7
42.5°	6698.9	6698.9	7010.8	7387.3	7750.1	8152.1	8414.9	8463.9	8632.5	9560.1	8348.2
45°	6999.0	7016.6	7377.5	7814.8	8244.3	8561.9	8642.3	8646.3	8685.5	9732.7	8663.9
47.5°	7236.3	7252.0	7683.4	8187.4	8650.2	8873.8	8885.5	8867.9	8824.7	9897.4	8907.1
50°	7428.5	7452.0	7903.0	8436.4	8928.7	9173.8	9264.0	9246.4	9136.5	10073.9	9077.7
52.5°	7522.6	7555.9	7979.5	8560.0	9238.5	9687.6	9938.6	9979.8	9603.3	10172.0	9240.5
55°	6769.5	6818.6	7208.8	8003.0	9411.1	10481.8	10876.0	10868.1	10109.2	10464.2	9636.6
57.5°	5112.5	5108.5	5432.1	6300.9	8038.3	10526.9	11452.5	11436.8	10581.8	10803.4	10042.5
60°	3480.9	3457.3	3543.6	3963.3	5620.4	8575.7	10423.0	10634.8	10246.5	9979.8	8526.6
62.5°	2865.1	2843.5	2816.1	2700.4	3227.9	5341.9	7201.0	7522.6	7471.6	6936.2	5347.8
65°	2345.4	2363.1	2439.5	2390.5	2245.4	2739.6	3737.8	3928.0	3590.7	3022.0	1868.9
67.5°	1729.6	1737.5	1837.5	2096.4	2017.9	1823.8	1759.1	1790.4	1049.2	482.4	311.8
70°	1021.7	1027.6	1119.8	1466.9	1637.5	1400.2	1188.4	1170.7	415.7	129.4	141.2
72.5°	578.5	566.7	584.4	698.1	892.3	743.2	611.8	556.9	125.5	72.6	72.6
75°	274.5	266.7	229.4	215.7	196.1	125.5	78.4	66.7	31.4	29.4	29.4
77.5°	2.0	5.9	3.9	5.9	5.9	3.9	2.0	2.0	5.9	5.9	7.8
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: P640123

CATALOG NUMBER: GWS-SA5D-730-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6	7018.6
2.5°	6973.5	6914.7	6900.9	6897.0	6842.1	6783.3	6722.5	6698.9	6663.6	6642.1	6659.7
5°	6842.1	6757.8	6683.3	6614.6	6493.0	6359.7	6244.0	6169.5	6098.9	6051.8	6063.6
7.5°	6655.8	6546.0	6375.4	6200.8	5977.3	5777.3	5553.7	5416.4	5289.0	5218.4	5251.7
10°	6457.7	6312.6	6040.0	5743.9	5392.9	5079.1	4759.5	4498.6	4347.6	4204.5	4220.2
12.5°	6263.6	6071.4	5663.5	5214.4	4771.2	4308.4	3826.0	3465.2	3218.1	3039.6	3012.2
15°	6083.2	5836.1	5296.8	4704.6	4100.6	3484.8	2869.0	2353.3	2066.9	1890.5	1878.7
17.5°	5922.4	5616.4	4916.4	4171.2	3414.2	2625.8	1917.9	1531.6	1366.9	1290.4	1282.5
20°	5767.4	5394.9	4528.1	3629.9	2665.1	1843.4	1323.7	1145.3	1092.3	1060.9	1064.9
22.5°	5618.4	5153.6	4120.2	3029.8	1998.3	1294.3	1025.6	957.0	951.1	955.0	957.0
25°	5492.9	4932.0	3700.5	2451.3	1425.7	986.4	857.0	837.4	855.0	880.5	884.4
27.5°	5428.2	4751.6	3290.6	1868.9	1031.5	802.1	743.2	751.1	782.5	809.9	813.8
30°	5445.8	4616.3	2867.1	1355.1	794.2	676.6	657.0	672.6	704.0	729.5	733.4
32.5°	5571.3	4547.7	2433.7	986.4	653.0	590.3	582.4	594.2	621.7	641.3	643.2
35°	5820.4	4563.4	2021.8	755.0	560.9	525.6	523.6	531.4	545.2	558.9	560.9
37.5°	6187.1	4690.8	1615.9	627.5	507.9	482.4	474.6	474.6	484.4	490.3	494.2
40°	6581.3	4883.0	1294.3	555.0	470.7	443.2	427.5	421.6	429.5	437.3	439.3
42.5°	6906.8	5075.2	1051.1	504.0	441.2	404.0	384.4	380.4	390.2	404.0	407.9
45°	7155.9	5224.2	876.6	462.8	407.9	366.7	345.1	345.1	362.8	386.3	390.2
47.5°	7383.4	5343.9	747.2	425.5	376.5	333.4	311.8	315.7	345.1	376.5	382.4
50°	7538.3	5440.0	651.1	392.2	351.0	305.9	286.3	294.2	329.5	366.7	372.6
52.5°	7705.0	5557.6	588.3	362.8	327.5	284.4	266.7	272.6	311.8	353.0	360.8
55°	8165.8	5951.8	586.4	323.6	286.3	254.9	247.1	249.1	288.3	335.3	345.1
57.5°	8542.3	6298.9	625.6	272.6	239.2	223.6	219.6	221.6	256.9	309.8	321.6
60°	7067.6	4894.8	517.7	225.5	200.0	196.1	190.2	194.1	227.5	274.5	284.4
62.5°	4182.9	2798.4	247.1	172.6	170.6	166.7	160.8	168.7	200.0	241.2	247.1
65°	1429.6	829.5	156.9	141.2	145.1	139.2	133.4	141.2	168.7	192.2	194.1
67.5°	274.5	219.6	125.5	117.7	119.6	107.9	105.9	113.7	129.4	133.4	131.4
70°	143.2	127.5	96.1	96.1	92.2	76.5	76.5	84.3	84.3	78.4	76.5
72.5°	74.5	70.6	62.8	70.6	58.8	47.1	47.1	51.0	47.1	39.2	39.2
75°	29.4	29.4	27.5	35.3	25.5	21.6	19.6	23.5	17.6	13.7	13.7
77.5°	7.8	7.8	7.8	9.8	5.9	5.9	3.9	3.9	2.0	0.0	0.0
80°	0.0	2.0	0.0	2.0	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

(END OF REPORT)