

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: P635412

Luminaire Tested: GWS-SA3D-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635412
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-SA3D-760-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11901.8 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

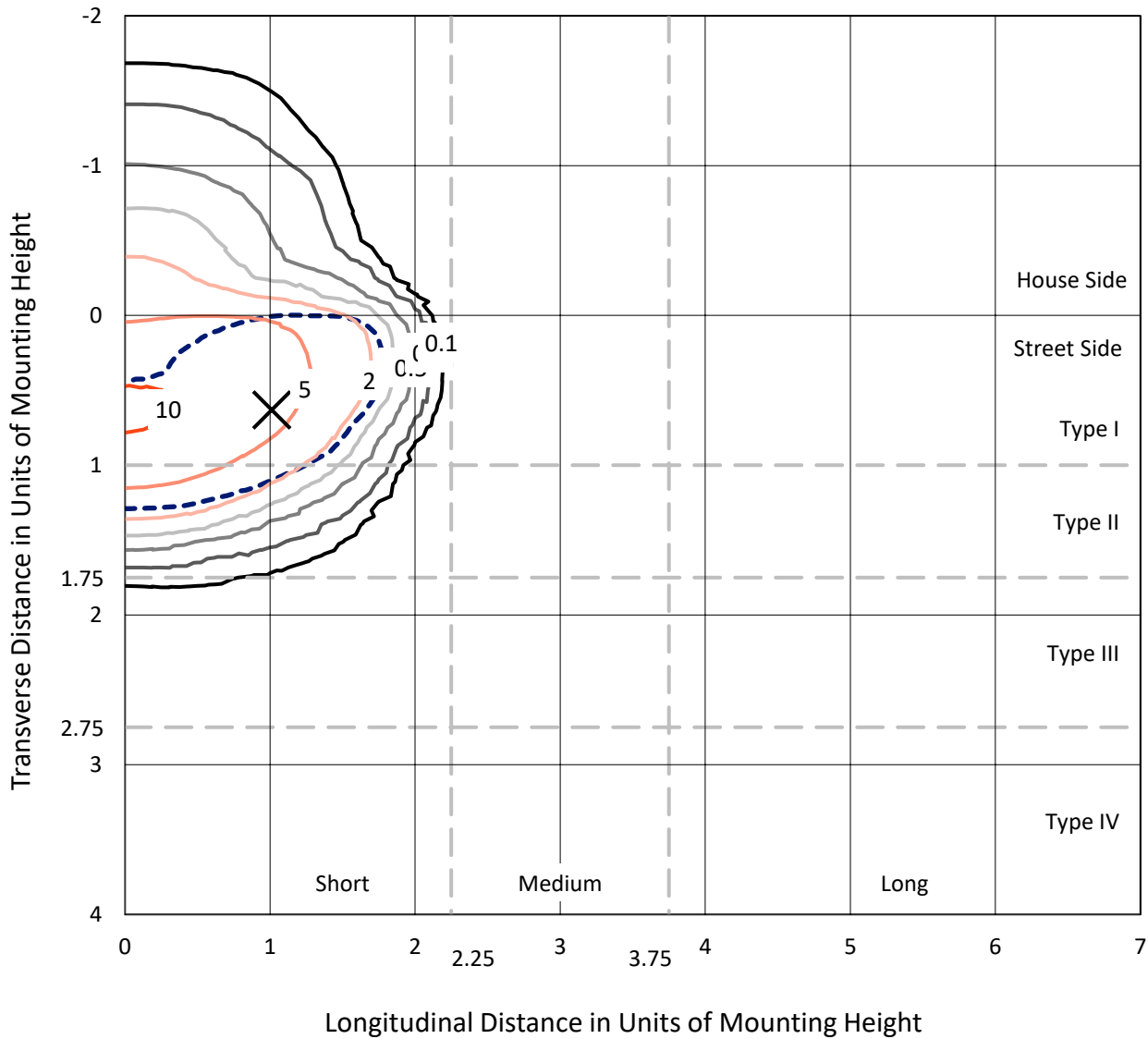
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

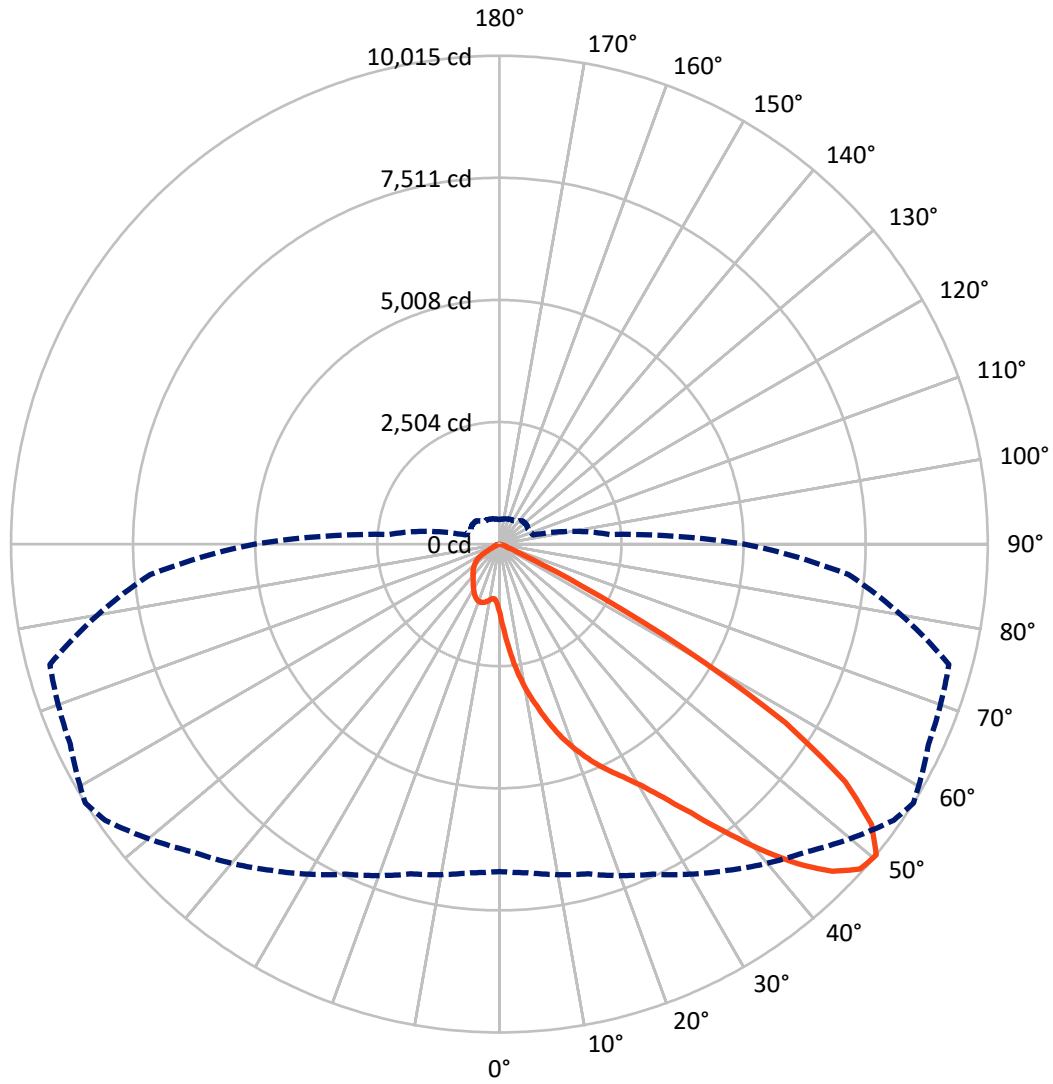
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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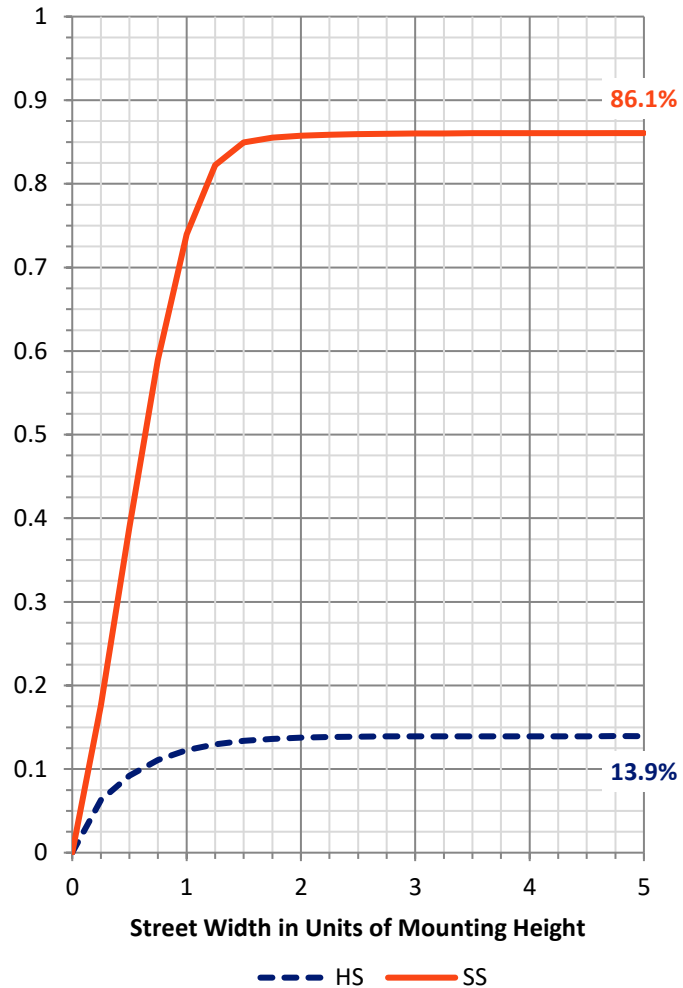
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1667.0	0.0	1667.0
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	10234.8	0.0	10234.8
	% Fixture	86.0	0.0	86.0
Total	Lumens	11901.8	0.0	11901.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.1	1.5
10°-20°	697.2	5.9
20°-30°	1410.8	11.9
30°-40°	2495.9	21.0
40°-50°	3638.5	30.6
50°-60°	2916.4	24.5
60°-70°	525.4	4.4
70°-80°	41.4	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°	11901.8	100.0
0°-180°	11901.8	100.0

Coefficient of Utilization



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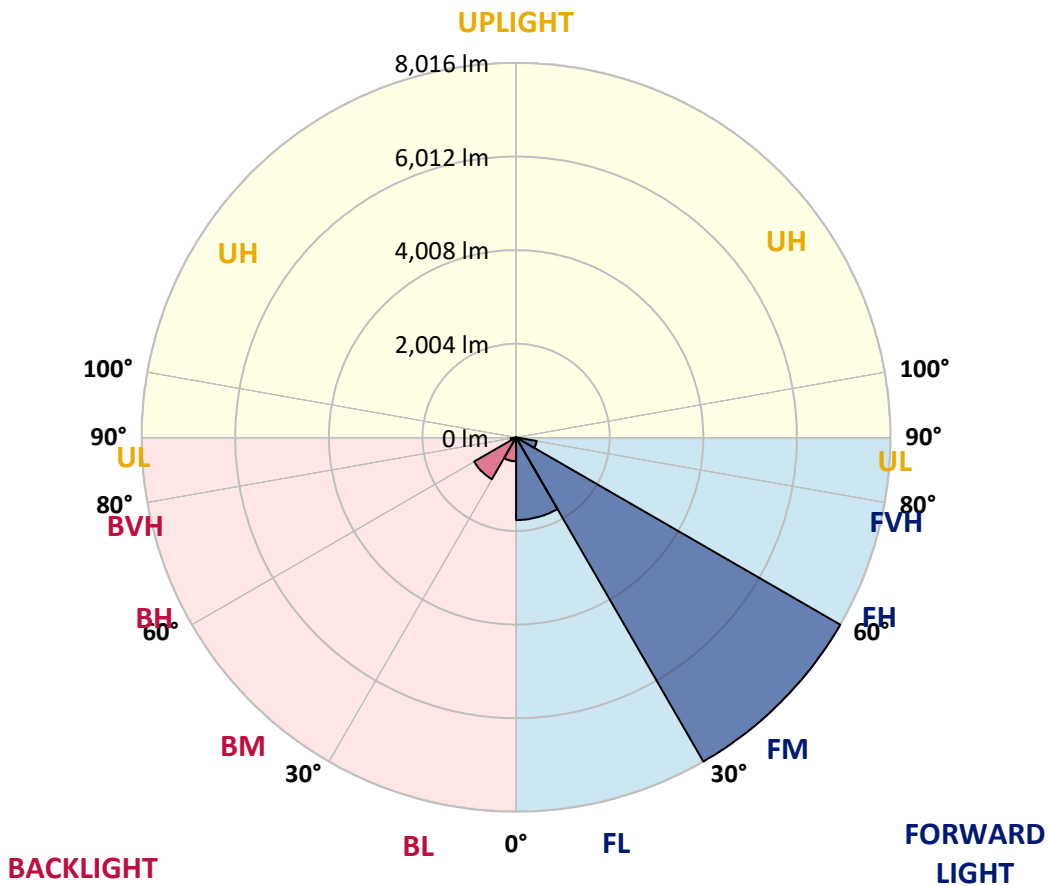
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1771.0	14.9			
FM (30°-60°)	8015.5	67.3			
FH (60°-80°)	448.3	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	513.2	4.3	B2/1000		
BM (30°-60°)	1035.3	8.7	B2/2500		
BH (60°-80°)	118.5	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6
2.5°	2103.8	2070.7	2051.7	2036.4	1968.9	1862.0	1792.0	1755.1	1694.0	1590.9	1501.8
5°	2745.3	2721.1	2676.6	2646.0	2559.5	2408.0	2251.5	2189.1	2050.4	1817.5	1608.7
7.5°	3170.4	3152.6	3136.0	3095.3	3013.8	2876.4	2703.3	2638.4	2424.6	2093.7	1751.3
10°	3497.5	3483.5	3464.4	3463.1	3399.5	3276.0	3106.8	3039.3	2807.7	2394.0	1919.3
12.5°	3785.1	3773.7	3769.9	3805.5	3764.8	3673.1	3489.9	3405.8	3160.2	2700.8	2105.1
15°	3982.4	3979.9	3996.4	4066.4	4089.3	4047.3	3893.3	3802.9	3520.4	3008.8	2310.0
17.5°	4072.8	4080.4	4112.2	4233.1	4334.9	4370.6	4252.2	4175.9	3878.0	3320.6	2528.9
20°	4226.8	4224.2	4243.3	4357.9	4482.6	4609.9	4574.2	4509.3	4239.5	3650.2	2772.0
22.5°	4660.8	4623.9	4583.1	4601.0	4645.5	4794.4	4860.6	4827.5	4612.4	3988.8	3022.8
25°	5327.7	5289.5	5158.4	5031.1	4947.1	5014.6	5105.0	5121.5	4982.8	4336.2	3284.9
27.5°	6035.3	6001.0	5853.3	5662.4	5421.9	5304.8	5372.2	5405.3	5346.8	4749.9	3563.7
30°	6698.4	6652.6	6491.0	6254.2	5975.5	5796.1	5719.7	5742.6	5777.0	5239.9	3890.8
32.5°	7273.7	7239.3	7045.9	6796.4	6527.9	6340.8	6162.6	6200.8	6284.8	5839.3	4309.5
35°	7761.2	7743.3	7538.4	7290.2	7006.4	6911.0	6758.2	6765.9	6849.9	6563.5	4819.9
37.5°	8185.0	8154.4	7968.6	7738.3	7513.0	7497.7	7455.7	7459.5	7502.8	7407.3	5406.6
40°	8452.3	8424.3	8291.9	8149.3	7989.0	7991.5	8209.2	8225.7	8176.1	8235.9	6026.4
42.5°	8552.8	8532.4	8461.2	8462.4	8445.9	8521.0	8929.5	8960.1	8781.9	8886.3	6555.9
45°	8378.4	8369.5	8374.6	8557.9	8756.4	8988.1	9518.8	9572.3	9320.3	9317.7	6969.5
47.5°	7815.9	7798.1	7947.0	8258.8	8718.3	9168.8	9875.2	9957.9	9697.0	9564.6	7229.2
50°	6713.7	6764.6	7000.1	7468.4	8167.2	8920.6	9871.4	10015.2	9711.0	9543.0	7185.9
52.5°	4863.1	4853.0	5368.4	6012.4	6862.6	8126.4	9347.0	9557.0	9371.2	9330.5	7089.2
55°	2646.0	2738.9	3086.4	3939.1	5000.6	6623.3	8149.3	8607.5	8822.6	9252.8	7263.5
57.5°	972.4	1013.1	1230.7	1834.0	2647.3	4118.6	6225.0	6916.1	7580.4	9036.4	7234.2
60°	392.0	399.6	486.2	674.6	1112.4	2096.2	3734.2	4347.7	4973.9	6917.3	5551.7
62.5°	285.1	295.3	329.6	394.5	562.6	916.4	1610.0	1872.2	2046.6	3426.2	2735.1
65°	230.4	238.0	266.0	295.3	371.6	492.6	519.3	500.2	497.6	885.8	627.5
67.5°	190.9	198.5	218.9	239.3	267.3	245.6	178.2	187.1	152.7	151.5	123.5
70°	140.0	148.9	169.3	190.9	160.4	66.2	103.1	152.7	115.8	96.7	94.2
72.5°	105.6	112.0	131.1	124.7	47.1	25.5	68.7	110.7	89.1	71.3	70.0
75°	78.9	82.7	66.2	20.4	5.1	6.4	25.5	45.8	49.6	40.7	40.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.8	5.1	6.4	7.6
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6	1421.6
2.5°	1450.9	1397.5	1321.1	1257.5	1209.1	1162.0	1126.4	1090.7	1089.5	1071.6	1067.8
5°	1512.0	1415.3	1275.3	1174.7	1113.6	1076.7	1051.3	1038.6	1032.2	1025.8	1023.3
7.5°	1599.8	1461.1	1267.6	1160.7	1109.8	1085.6	1067.8	1060.2	1056.4	1051.3	1050.0
10°	1708.0	1527.3	1295.6	1187.5	1142.9	1120.0	1100.9	1089.5	1083.1	1074.2	1071.6
12.5°	1837.8	1608.7	1340.2	1232.0	1184.9	1154.4	1128.9	1112.4	1103.5	1092.0	1089.5
15°	1977.8	1696.6	1389.8	1272.7	1216.7	1177.3	1145.5	1120.0	1103.5	1089.5	1085.6
17.5°	2122.9	1785.7	1434.4	1300.7	1232.0	1184.9	1139.1	1104.7	1084.4	1066.6	1061.5
20°	2285.8	1877.3	1463.6	1305.8	1226.9	1164.6	1111.1	1067.8	1047.5	1023.3	1018.2
22.5°	2456.4	1962.6	1476.4	1294.4	1198.9	1126.4	1069.1	1024.6	995.3	969.8	962.2
25°	2621.8	2038.9	1470.0	1262.6	1156.9	1072.9	1014.4	968.6	936.7	911.3	904.9
27.5°	2797.5	2102.6	1447.1	1215.5	1099.6	1014.4	958.4	918.9	889.6	861.6	855.3
30°	2994.8	2161.1	1410.2	1158.2	1032.2	954.6	911.3	884.6	852.7	823.5	814.6
32.5°	3232.8	2213.3	1356.7	1089.5	972.4	902.4	878.2	857.8	820.9	790.4	784.0
35°	3505.1	2256.6	1289.3	1018.2	913.8	869.3	864.2	837.5	789.1	753.5	745.8
37.5°	3820.8	2298.6	1209.1	948.2	870.6	854.0	855.3	809.5	750.9	707.6	702.6
40°	4160.6	2340.6	1120.0	887.1	831.1	845.1	833.6	768.7	673.3	631.3	626.2
42.5°	4514.4	2386.4	1029.6	829.8	798.0	810.7	794.2	687.3	618.6	596.9	594.4
45°	4833.9	2441.1	931.6	772.6	764.9	761.1	733.1	622.4	593.1	577.8	576.6
47.5°	5064.2	2432.2	827.3	717.8	729.3	716.6	631.3	591.8	567.6	547.3	542.2
50°	5022.2	2276.9	719.1	656.7	683.5	672.0	567.6	556.2	534.6	512.9	505.3
52.5°	4915.3	2065.7	624.9	591.8	633.8	607.1	524.4	512.9	493.8	465.8	456.9
55°	4972.6	1867.1	551.1	539.6	582.9	502.7	476.0	458.2	437.8	407.3	403.5
57.5°	4788.0	1523.5	442.9	450.5	515.5	428.9	417.5	389.5	355.1	334.7	332.2
60°	3314.2	818.4	277.5	286.4	372.9	360.2	374.2	348.7	306.7	287.6	283.8
62.5°	1522.2	328.4	151.5	145.1	196.0	244.4	320.7	318.2	266.0	235.5	232.9
65°	369.1	150.2	108.2	101.8	110.7	146.4	208.7	250.7	215.1	179.5	175.6
67.5°	119.6	122.2	99.3	92.9	98.0	109.5	124.7	138.7	137.5	126.0	123.5
70°	95.5	110.7	91.6	84.0	84.0	87.8	84.0	67.5	58.5	63.6	66.2
72.5°	71.3	84.0	72.5	64.9	62.4	61.1	52.2	38.2	26.7	24.2	22.9
75°	42.0	47.1	44.5	38.2	35.6	31.8	25.5	16.5	8.9	6.4	3.8
77.5°	7.6	8.9	10.2	7.6	6.4	5.1	3.8	1.3	0.0	0.0	0.0
80°	0.0	1.3	1.3	1.3	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)