

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: P635907

Luminaire Tested: GWS-SA3E-760-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635907
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-SA3E-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: 14873.1 lumens
Efficiency: N/A
Efficacy: 93.4 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

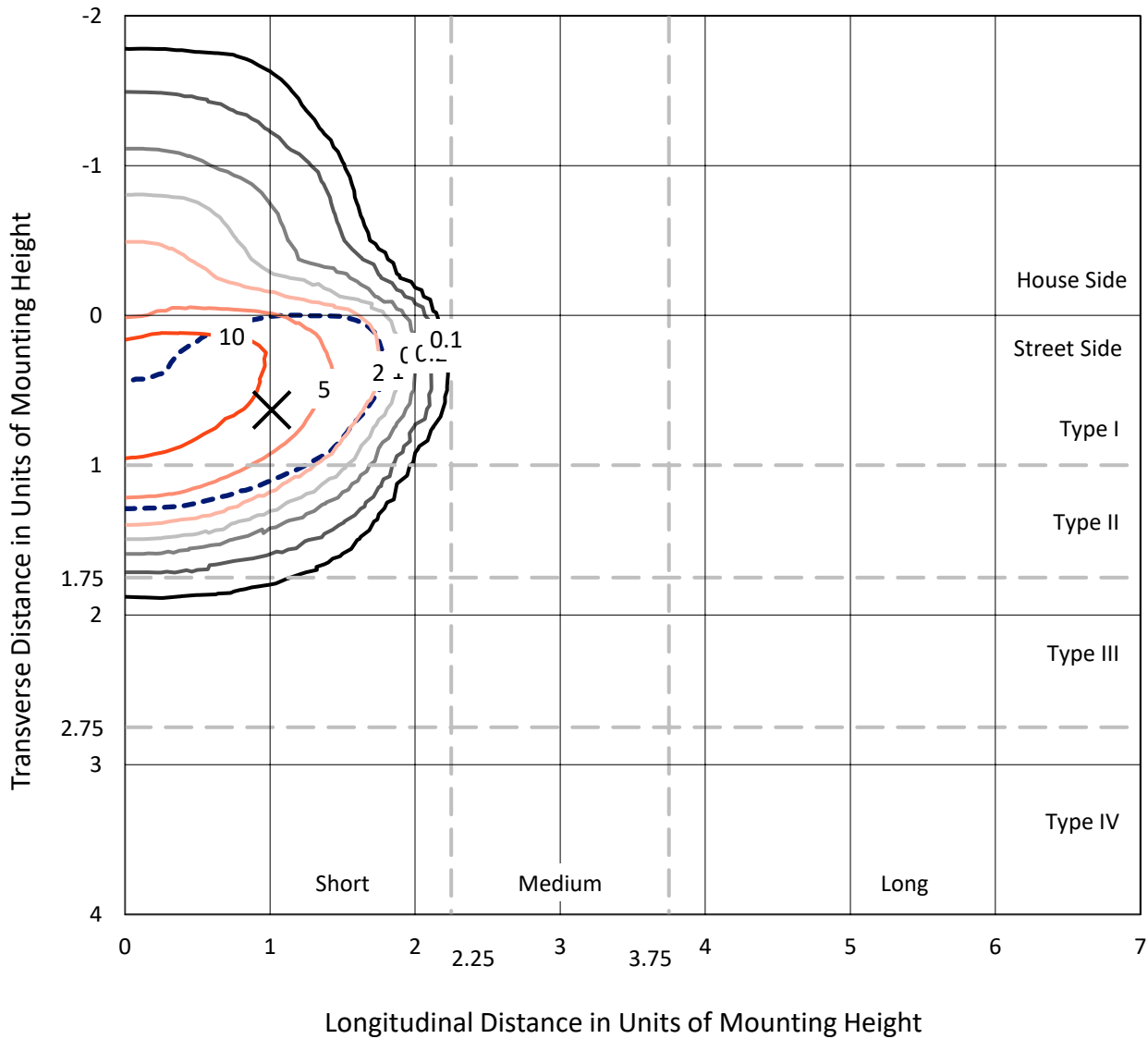
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

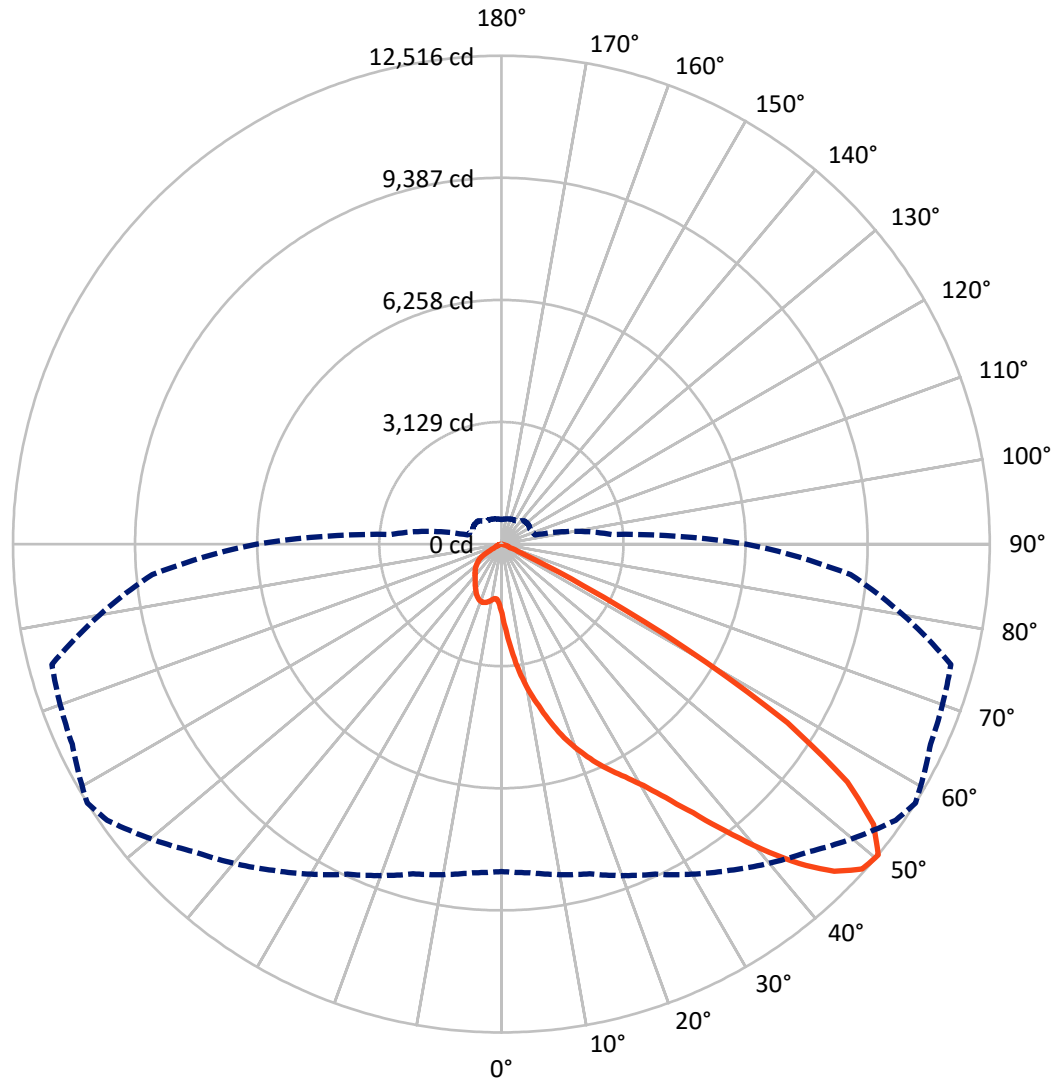
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.6 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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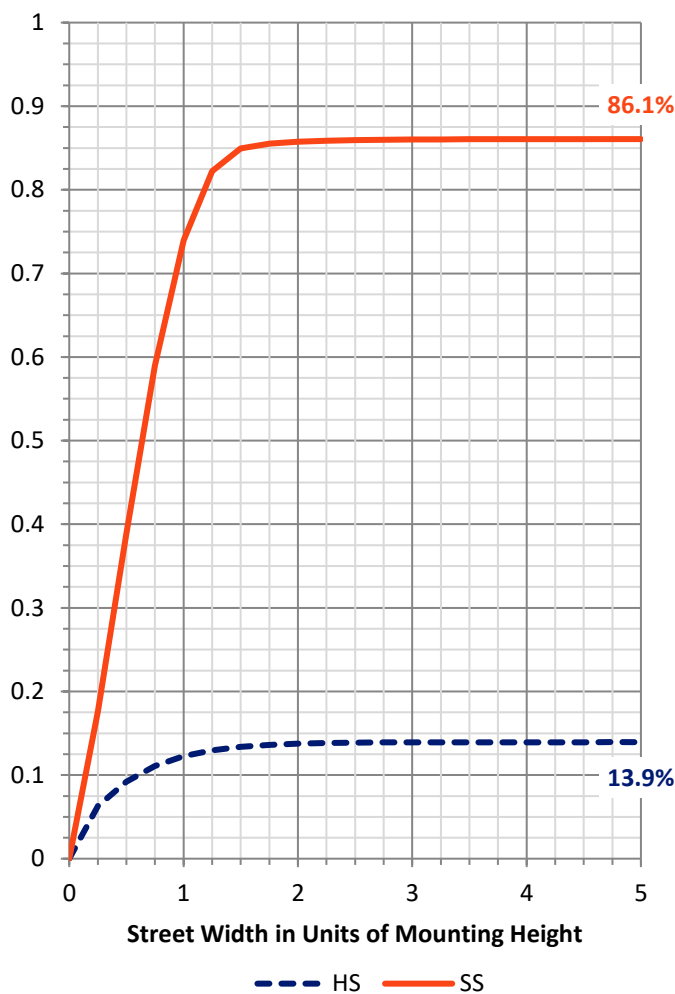
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2083.2	0.0	2083.2
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	12789.9	0.0	12789.9
	% Fixture	86.0	0.0	86.0
Total	Lumens	14873.1	0.0	14873.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.1	1.5
10°-20°	871.3	5.9
20°-30°	1763.0	11.9
30°-40°	3119.0	21.0
40°-50°	4546.9	30.6
50°-60°	3644.4	24.5
60°-70°	656.6	4.4
70°-80°	51.7	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°	14873.1	100.0
0°-180°	14873.1	100.0

Coefficient of Utilization



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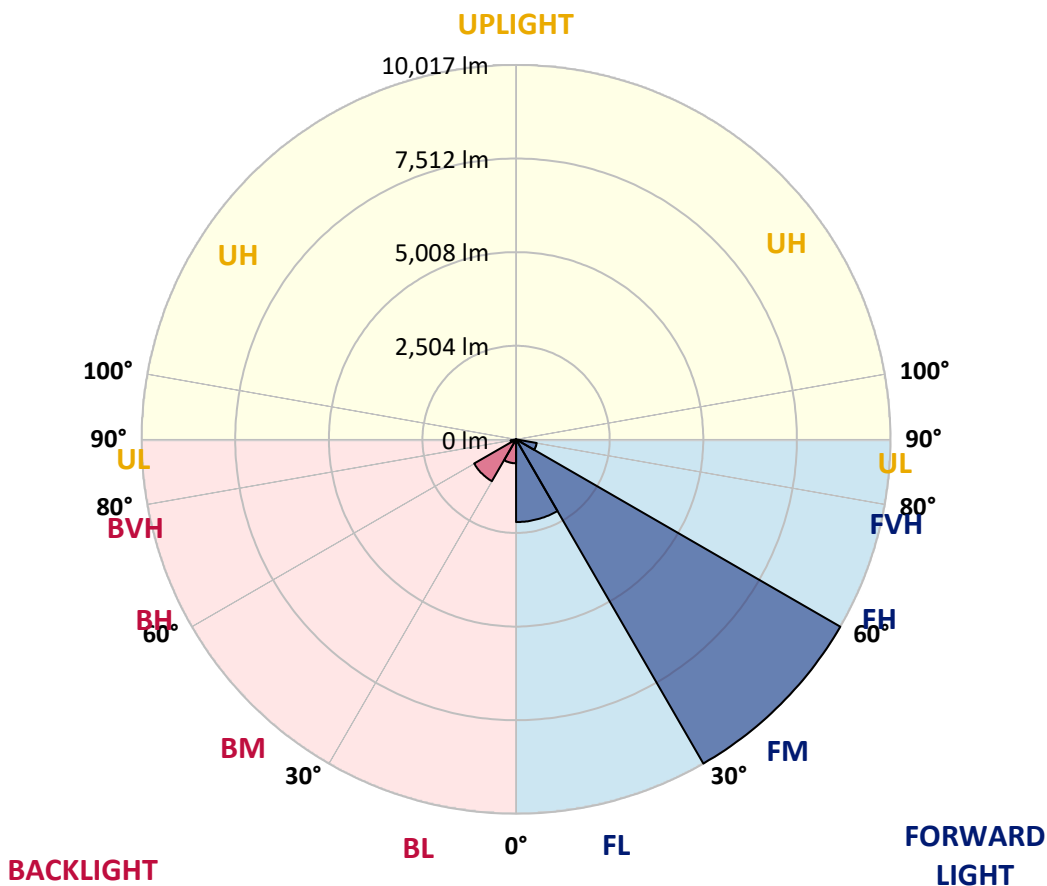
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2213.1	14.9			
FM (30°-60°)	10016.6	67.3			
FH (60°-80°)	560.3	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	641.3	4.3	B2/1000		
BM (30°-60°)	1293.8	8.7	B2/2500		
BH (60°-80°)	148.1	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°	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6
2.5°	2629.1	2587.7	2563.9	2544.8	2460.5	2326.9	2239.4	2193.3	2116.9	1988.1	1876.8
5°	3430.7	3400.4	3344.8	3306.6	3198.5	3009.2	2813.6	2735.6	2562.3	2271.2	2010.4
7.5°	3961.9	3939.6	3918.9	3868.0	3766.3	3594.5	3378.2	3297.1	3029.9	2616.3	2188.5
10°	4370.6	4353.1	4329.3	4327.7	4248.2	4093.9	3882.4	3798.1	3508.6	2991.7	2398.4
12.5°	4730.1	4715.8	4711.0	4755.5	4704.6	4590.1	4361.1	4256.1	3949.2	3375.0	2630.7
15°	4976.6	4973.4	4994.1	5081.6	5110.2	5057.7	4865.3	4752.4	4399.3	3759.9	2886.7
17.5°	5089.5	5099.1	5138.8	5289.9	5417.2	5461.7	5313.8	5218.4	4846.2	4149.6	3160.3
20°	5282.0	5278.8	5302.7	5445.8	5601.7	5760.7	5716.2	5635.1	5297.9	4561.5	3464.1
22.5°	5824.3	5778.2	5727.3	5749.6	5805.3	5991.3	6074.0	6032.7	5763.9	4984.6	3777.4
25°	6657.7	6610.0	6446.2	6287.2	6182.2	6266.5	6379.4	6400.1	6226.7	5418.8	4105.0
27.5°	7542.1	7499.1	7314.6	7076.0	6775.4	6629.1	6713.4	6754.8	6681.6	5935.7	4453.3
30°	8370.7	8313.4	8111.4	7815.6	7467.3	7243.0	7147.6	7176.2	7219.2	6548.0	4862.1
32.5°	9089.6	9046.7	8804.9	8493.2	8157.6	7923.8	7701.1	7748.8	7853.8	7297.1	5385.4
35°	9698.7	9676.5	9420.4	9110.3	8755.6	8636.3	8445.4	8455.0	8560.0	8202.1	6023.1
37.5°	10228.4	10190.2	9958.0	9670.1	9388.6	9369.5	9317.0	9321.8	9375.9	9256.6	6756.4
40°	10562.4	10527.4	10362.0	10183.8	9983.4	9986.6	10258.6	10279.3	10217.2	10292.0	7530.9
42.5°	10688.0	10662.6	10573.5	10575.1	10554.4	10648.3	11158.8	11197.0	10974.3	11104.7	8192.6
45°	10470.1	10459.0	10465.4	10694.4	10942.5	11232.0	11895.2	11962.0	11647.1	11643.9	8709.5
47.5°	9767.1	9744.9	9931.0	10320.6	10894.8	11457.8	12340.5	12443.9	12117.9	11952.5	9033.9
50°	8389.8	8453.4	8747.6	9332.9	10206.1	11147.7	12335.8	12515.5	12135.4	11925.4	8979.9
52.5°	6077.2	6064.5	6708.6	7513.4	8575.9	10155.2	11680.5	11942.9	11710.7	11659.8	8859.0
55°	3306.6	3422.7	3856.9	4922.5	6249.0	8276.9	10183.8	10756.4	11025.2	11562.8	9076.9
57.5°	1215.1	1266.0	1538.0	2291.9	3308.2	5146.8	7779.0	8642.7	9472.9	11292.4	9040.3
60°	489.9	499.4	607.6	843.0	1390.1	2619.5	4666.5	5433.1	6215.6	8644.3	6937.7
62.5°	356.3	369.0	411.9	493.0	703.0	1145.1	2012.0	2339.6	2557.5	4281.6	3417.9
65°	287.9	297.4	332.4	369.0	464.4	615.5	648.9	625.1	621.9	1107.0	784.1
67.5°	238.6	248.1	273.6	299.0	334.0	307.0	222.7	233.8	190.9	189.3	154.3
70°	175.0	186.1	211.5	238.6	200.4	82.7	128.8	190.9	144.7	120.9	117.7
72.5°	132.0	140.0	163.8	155.9	58.8	31.8	85.9	138.4	111.3	89.1	87.5
75°	98.6	103.4	82.7	25.4	6.4	8.0	31.8	57.3	62.0	50.9	50.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	6.4	8.0	9.5
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6	1776.6
2.5°	1813.1	1746.3	1650.9	1571.4	1511.0	1452.1	1407.6	1363.0	1361.5	1339.2	1334.4
5°	1889.5	1768.6	1593.7	1468.0	1391.7	1345.5	1313.7	1297.8	1289.9	1281.9	1278.7
7.5°	1999.2	1825.9	1584.1	1450.5	1386.9	1356.7	1334.4	1324.9	1320.1	1313.7	1312.1
10°	2134.4	1908.6	1619.1	1483.9	1428.3	1399.6	1375.8	1361.5	1353.5	1342.4	1339.2
12.5°	2296.7	2010.4	1674.8	1539.6	1480.7	1442.6	1410.8	1390.1	1378.9	1364.6	1361.5
15°	2471.6	2120.1	1736.8	1590.5	1520.5	1471.2	1431.4	1399.6	1378.9	1361.5	1356.7
17.5°	2652.9	2231.4	1792.5	1625.5	1539.6	1480.7	1423.5	1380.5	1355.1	1332.8	1326.5
20°	2856.5	2346.0	1829.1	1631.8	1533.2	1455.3	1388.5	1334.4	1309.0	1278.7	1272.4
22.5°	3069.6	2452.5	1845.0	1617.5	1498.2	1407.6	1336.0	1280.3	1243.8	1211.9	1202.4
25°	3276.4	2547.9	1837.0	1577.8	1445.7	1340.8	1267.6	1210.4	1170.6	1138.8	1130.8
27.5°	3495.9	2627.5	1808.4	1518.9	1374.2	1267.6	1197.6	1148.3	1111.7	1076.8	1068.8
30°	3742.4	2700.6	1762.3	1447.3	1289.9	1192.9	1138.8	1105.4	1065.6	1029.0	1017.9
32.5°	4039.8	2765.8	1695.5	1361.5	1215.1	1127.7	1097.4	1072.0	1025.9	987.7	979.7
35°	4380.2	2819.9	1611.2	1272.4	1142.0	1086.3	1079.9	1046.5	986.1	941.6	932.0
37.5°	4774.6	2872.4	1511.0	1184.9	1087.9	1067.2	1068.8	1011.5	938.4	884.3	877.9
40°	5199.3	2924.9	1399.6	1108.6	1038.6	1056.1	1041.8	960.6	841.4	788.9	782.5
42.5°	5641.4	2982.2	1286.7	1037.0	997.2	1013.1	992.5	858.9	773.0	745.9	742.8
45°	6040.6	3050.5	1164.2	965.4	955.9	951.1	916.1	777.7	741.2	722.1	720.5
47.5°	6328.5	3039.4	1033.8	897.0	911.3	895.4	788.9	739.6	709.4	683.9	677.5
50°	6276.0	2845.4	898.6	820.7	854.1	839.8	709.4	695.0	668.0	641.0	631.4
52.5°	6142.4	2581.3	780.9	739.6	792.1	758.7	655.3	641.0	617.1	582.1	571.0
55°	6214.0	2333.2	688.7	674.4	728.4	628.2	594.8	572.6	547.1	509.0	504.2
57.5°	5983.4	1903.8	553.5	563.0	644.1	536.0	521.7	486.7	443.7	418.3	415.1
60°	4141.6	1022.7	346.7	357.9	466.0	450.1	467.6	435.8	383.3	359.4	354.7
62.5°	1902.2	410.3	189.3	181.3	244.9	305.4	400.8	397.6	332.4	294.2	291.1
65°	461.2	187.7	135.2	127.2	138.4	182.9	260.8	313.3	268.8	224.3	219.5
67.5°	149.5	152.7	124.1	116.1	122.5	136.8	155.9	173.4	171.8	157.5	154.3
70°	119.3	138.4	114.5	105.0	105.0	109.7	105.0	84.3	73.2	79.5	82.7
72.5°	89.1	105.0	90.7	81.1	77.9	76.3	65.2	47.7	33.4	30.2	28.6
75°	52.5	58.8	55.7	47.7	44.5	39.8	31.8	20.7	11.1	8.0	4.8
77.5°	9.5	11.1	12.7	9.5	8.0	6.4	4.8	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)