

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: P634807

Luminaire Tested: GWS-SA3C-740-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634807
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-SA3C-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9351 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

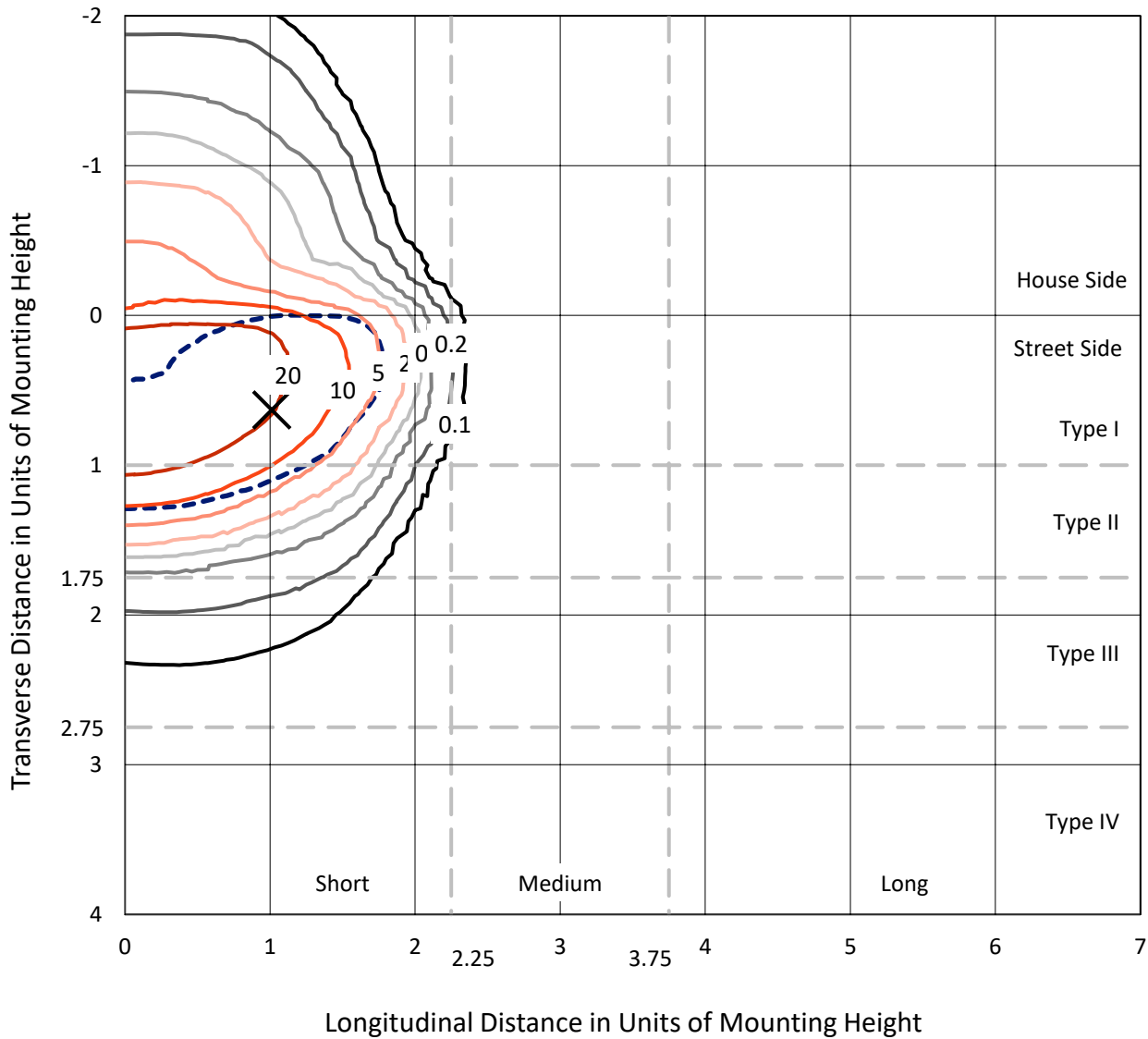
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

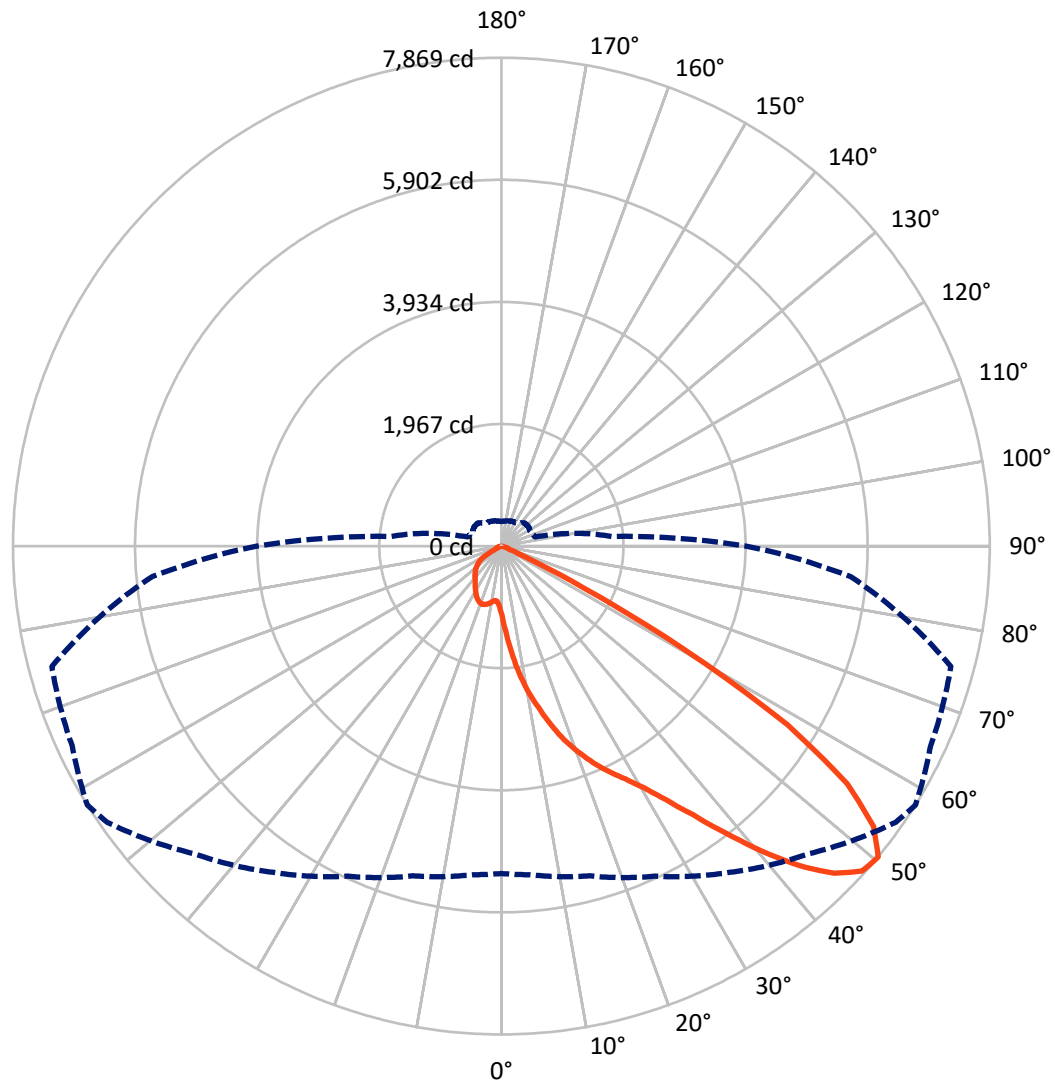
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 34.3 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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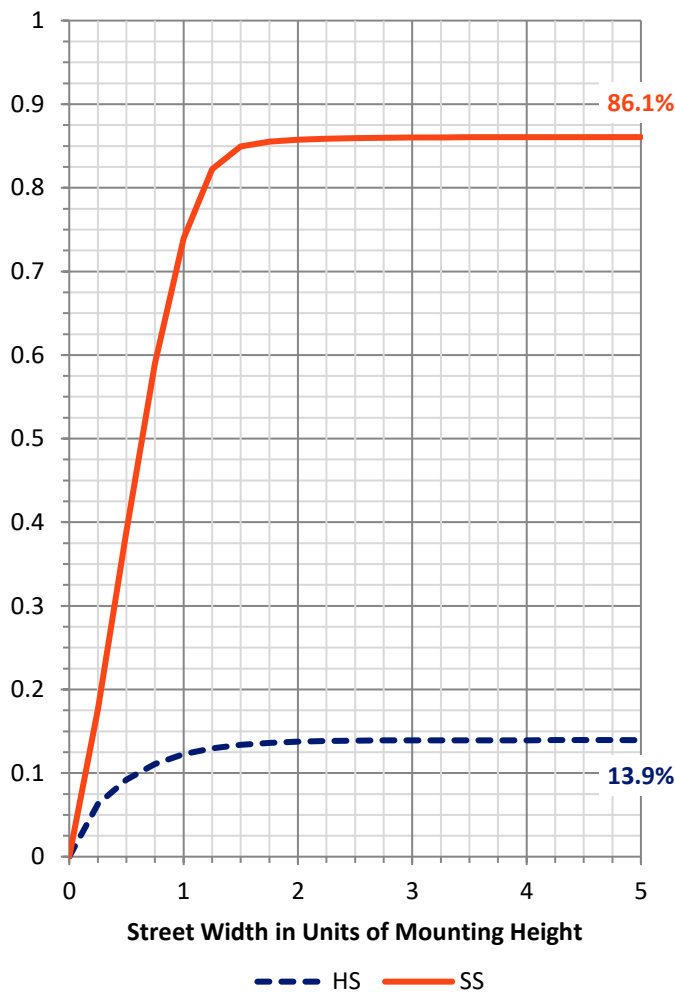
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1309.8	0.0	1309.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	8041.3	0.0	8041.3
	% Fixture	86.0	0.0	86.0
Total	Lumens	9351.0	0.0	9351.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.4	1.5
10°-20°	547.8	5.9
20°-30°	1108.5	11.9
30°-40°	1961.0	21.0
40°-50°	2858.7	30.6
50°-60°	2291.3	24.5
60°-70°	412.8	4.4
70°-80°	32.5	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°	9351.0	100.0
0°-180°	9351.0	100.0

Coefficient of Utilization



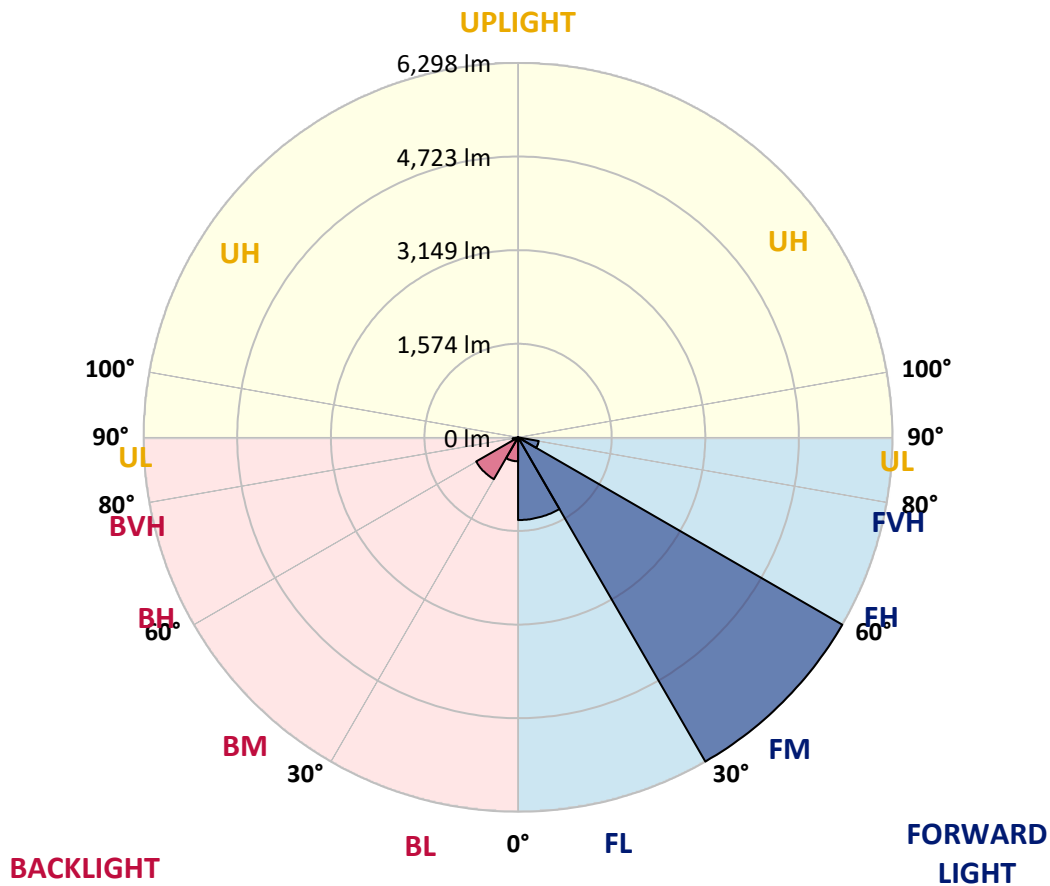
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1391.4	14.9			
FM (30°-60°)	6297.6	67.3			
FH (60°-80°)	352.3	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	403.2	4.3	B1/500		
BM (30°-60°)	813.4	8.7	B1/1000		
BH (60°-80°)	93.1	1.0	B0/110		G0/110
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: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0
2.5°	1652.9	1626.9	1611.9	1599.9	1546.9	1462.9	1408.0	1379.0	1331.0	1250.0	1180.0
5°	2156.9	2137.9	2102.9	2078.9	2010.9	1891.9	1768.9	1719.9	1610.9	1428.0	1264.0
7.5°	2490.9	2476.9	2463.9	2431.9	2367.9	2259.9	2123.9	2072.9	1904.9	1644.9	1376.0
10°	2747.9	2736.9	2721.9	2720.9	2670.9	2573.9	2440.9	2387.9	2205.9	1880.9	1507.9
12.5°	2973.9	2964.9	2961.9	2989.9	2957.9	2885.9	2741.9	2675.9	2482.9	2121.9	1653.9
15°	3128.9	3126.9	3139.9	3194.9	3212.9	3179.9	3058.9	2987.9	2765.9	2363.9	1814.9
17.5°	3199.9	3205.9	3230.9	3325.9	3405.9	3433.9	3340.9	3280.9	3046.9	2608.9	1986.9
20°	3320.9	3318.9	3333.9	3423.9	3521.9	3621.9	3593.9	3542.9	3330.9	2867.9	2177.9
22.5°	3661.9	3632.9	3600.9	3614.9	3649.9	3766.9	3818.9	3792.9	3623.9	3133.9	2374.9
25°	4185.9	4155.9	4052.9	3952.9	3886.9	3939.9	4010.9	4023.9	3914.9	3406.9	2580.9
27.5°	4741.8	4714.8	4598.8	4448.8	4259.9	4167.9	4220.9	4246.9	4200.9	3731.9	2799.9
30°	5262.8	5226.8	5099.8	4913.8	4694.8	4553.8	4493.8	4511.8	4538.8	4116.9	3056.9
32.5°	5714.8	5687.8	5535.8	5339.8	5128.8	4981.8	4841.8	4871.8	4937.8	4587.8	3385.9
35°	6097.8	6083.8	5922.8	5727.8	5504.8	5429.8	5309.8	5315.8	5381.8	5156.8	3786.9
37.5°	6430.8	6406.8	6260.8	6079.8	5902.8	5890.8	5857.8	5860.8	5894.8	5819.8	4247.9
40°	6640.8	6618.8	6514.8	6402.8	6276.8	6278.8	6449.8	6462.8	6423.8	6470.8	4734.8
42.5°	6719.8	6703.8	6647.8	6648.8	6635.8	6694.8	7015.8	7039.8	6899.8	6981.8	5150.8
45°	6582.8	6575.8	6579.8	6723.8	6879.8	7061.8	7478.7	7520.7	7322.7	7320.7	5475.8
47.5°	6140.8	6126.8	6243.8	6488.8	6849.8	7203.7	7758.7	7823.7	7618.7	7514.7	5679.8
50°	5274.8	5314.8	5499.8	5867.8	6416.8	7008.8	7755.7	7868.7	7629.7	7497.7	5645.8
52.5°	3820.9	3812.9	4217.9	4723.8	5391.8	6384.8	7343.7	7508.7	7362.7	7330.7	5569.8
55°	2078.9	2151.9	2424.9	3094.9	3928.9	5203.8	6402.8	6762.8	6931.8	7269.7	5706.8
57.5°	764.0	796.0	967.0	1440.9	2079.9	3235.9	4890.8	5433.8	5955.8	7099.8	5683.8
60°	308.0	314.0	382.0	530.0	874.0	1646.9	2933.9	3415.9	3907.9	5434.8	4361.8
62.5°	224.0	232.0	259.0	310.0	442.0	720.0	1265.0	1470.9	1607.9	2691.9	2148.9
65°	181.0	187.0	209.0	232.0	292.0	387.0	408.0	393.0	391.0	696.0	493.0
67.5°	150.0	156.0	172.0	188.0	210.0	193.0	140.0	147.0	120.0	119.0	97.0
70°	110.0	117.0	133.0	150.0	126.0	52.0	81.0	120.0	91.0	76.0	74.0
72.5°	83.0	88.0	103.0	98.0	37.0	20.0	54.0	87.0	70.0	56.0	55.0
75°	62.0	65.0	52.0	16.0	4.0	5.0	20.0	36.0	39.0	32.0	32.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	4.0	5.0	6.0
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°	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0	1117.0
2.5°	1140.0	1098.0	1038.0	988.0	950.0	913.0	885.0	857.0	856.0	842.0	839.0
5°	1188.0	1112.0	1002.0	923.0	875.0	846.0	826.0	816.0	811.0	806.0	804.0
7.5°	1257.0	1148.0	996.0	912.0	872.0	853.0	839.0	833.0	830.0	826.0	825.0
10°	1342.0	1200.0	1018.0	933.0	898.0	880.0	865.0	856.0	851.0	844.0	842.0
12.5°	1443.9	1264.0	1053.0	968.0	931.0	907.0	887.0	874.0	867.0	858.0	856.0
15°	1553.9	1333.0	1092.0	1000.0	956.0	925.0	900.0	880.0	867.0	856.0	853.0
17.5°	1667.9	1403.0	1127.0	1022.0	968.0	931.0	895.0	868.0	852.0	838.0	834.0
20°	1795.9	1474.9	1150.0	1026.0	964.0	915.0	873.0	839.0	823.0	804.0	800.0
22.5°	1929.9	1541.9	1160.0	1017.0	942.0	885.0	840.0	805.0	782.0	762.0	756.0
25°	2059.9	1601.9	1155.0	992.0	909.0	843.0	797.0	761.0	736.0	716.0	711.0
27.5°	2197.9	1651.9	1137.0	955.0	864.0	797.0	753.0	722.0	699.0	677.0	672.0
30°	2352.9	1697.9	1108.0	910.0	811.0	750.0	716.0	695.0	670.0	647.0	640.0
32.5°	2539.9	1738.9	1066.0	856.0	764.0	709.0	690.0	674.0	645.0	621.0	616.0
35°	2753.9	1772.9	1013.0	800.0	718.0	683.0	679.0	658.0	620.0	592.0	586.0
37.5°	3001.9	1805.9	950.0	745.0	684.0	671.0	672.0	636.0	590.0	556.0	552.0
40°	3268.9	1838.9	880.0	697.0	653.0	664.0	655.0	604.0	529.0	496.0	492.0
42.5°	3546.9	1874.9	809.0	652.0	627.0	637.0	624.0	540.0	486.0	469.0	467.0
45°	3797.9	1917.9	732.0	607.0	601.0	598.0	576.0	489.0	466.0	454.0	453.0
47.5°	3978.9	1910.9	650.0	564.0	573.0	563.0	496.0	465.0	446.0	430.0	426.0
50°	3945.9	1788.9	565.0	516.0	537.0	528.0	446.0	437.0	420.0	403.0	397.0
52.5°	3861.9	1622.9	491.0	465.0	498.0	477.0	412.0	403.0	388.0	366.0	359.0
55°	3906.9	1466.9	433.0	424.0	458.0	395.0	374.0	360.0	344.0	320.0	317.0
57.5°	3761.9	1197.0	348.0	354.0	405.0	337.0	328.0	306.0	279.0	263.0	261.0
60°	2603.9	643.0	218.0	225.0	293.0	283.0	294.0	274.0	241.0	226.0	223.0
62.5°	1196.0	258.0	119.0	114.0	154.0	192.0	252.0	250.0	209.0	185.0	183.0
65°	290.0	118.0	85.0	80.0	87.0	115.0	164.0	197.0	169.0	141.0	138.0
67.5°	94.0	96.0	78.0	73.0	77.0	86.0	98.0	109.0	108.0	99.0	97.0
70°	75.0	87.0	72.0	66.0	66.0	69.0	66.0	53.0	46.0	50.0	52.0
72.5°	56.0	66.0	57.0	51.0	49.0	48.0	41.0	30.0	21.0	19.0	18.0
75°	33.0	37.0	35.0	30.0	28.0	25.0	20.0	13.0	7.0	5.0	3.0
77.5°	6.0	7.0	8.0	6.0	5.0	4.0	3.0	1.0	0.0	0.0	0.0
80°	0.0	1.0	1.0	1.0	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)