

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: P634818

Luminaire Tested: GWS-SA3C-740-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634818
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14181 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

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

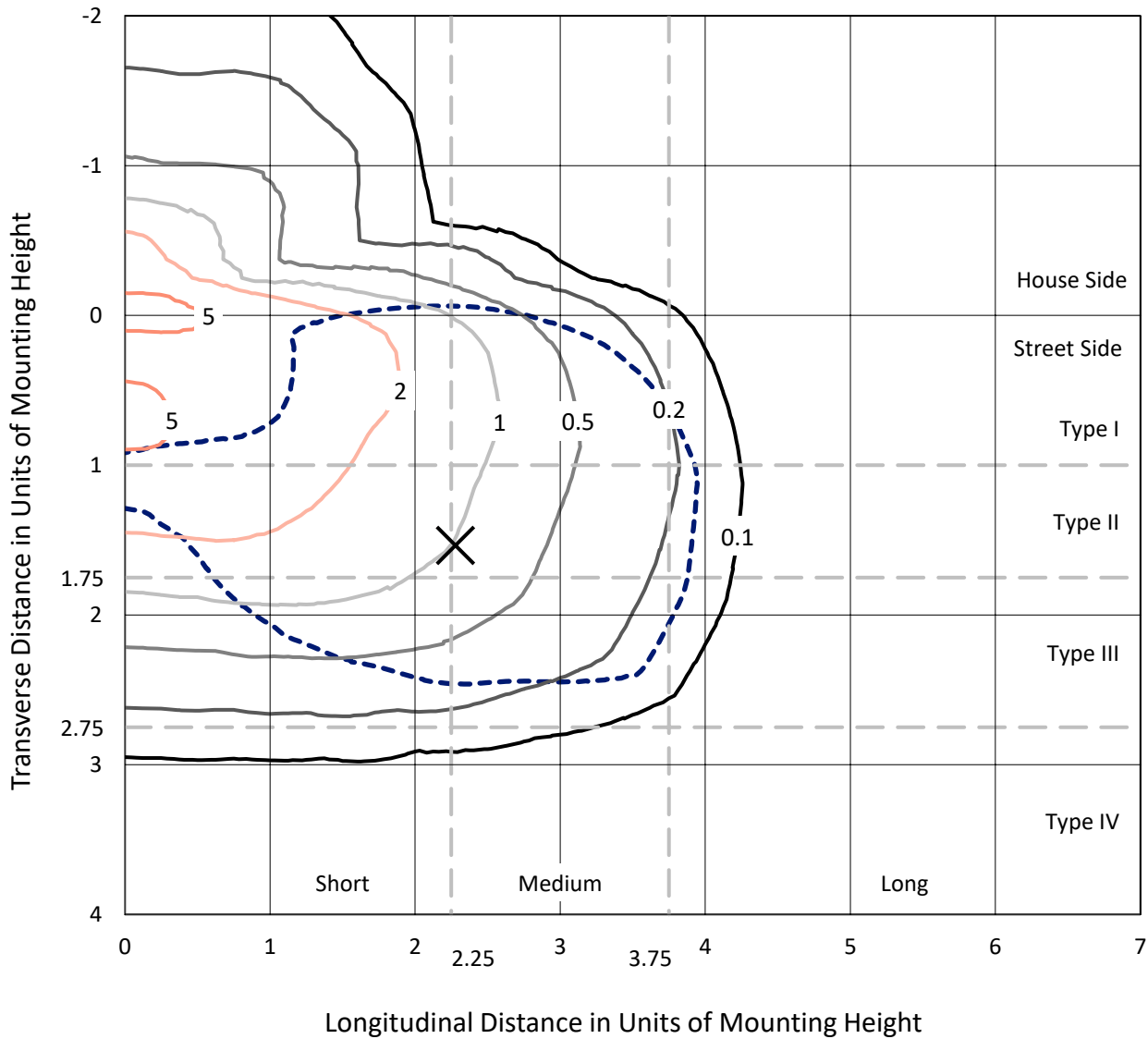


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Iso-Footcandle Lines of Horizontal Illumination

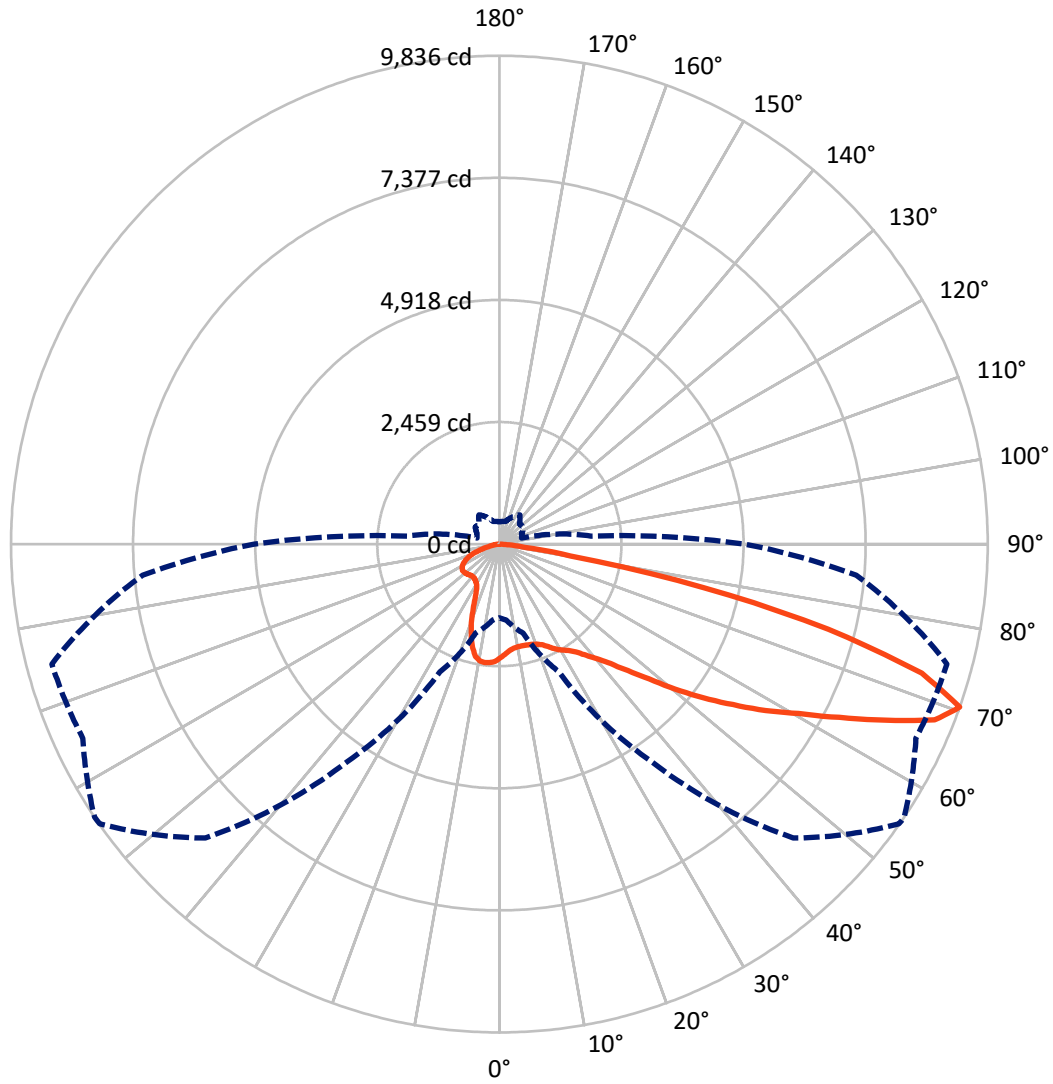
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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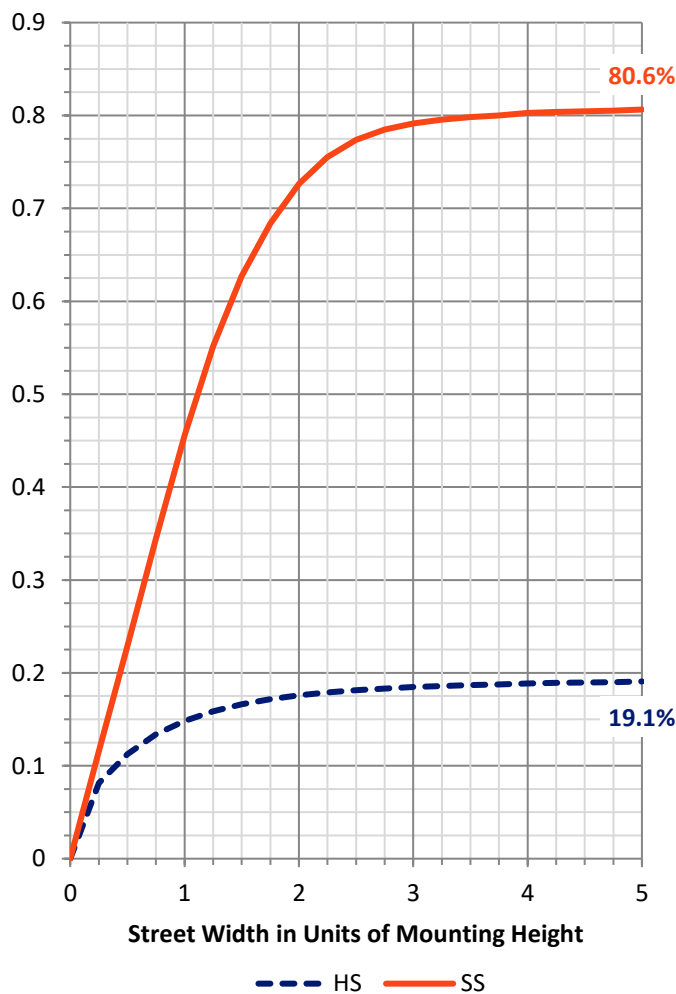
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2726.3	0.0	2726.3
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	11454.7	0.0	11454.7
	% Fixture	80.8	0.0	80.8
Total	Lumens	14181.0	0.0	14181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.8	1.5
10°-20°	573.9	4.0
20°-30°	948.9	6.7
30°-40°	1418.7	10.0
40°-50°	2111.2	14.9
50°-60°	3001.6	21.2
60°-70°	3717.5	26.2
70°-80°	2052.7	14.5
80°-90°	144.6	1.0
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°	14181.0	100.0
0°-180°	14181.0	100.0

Coefficient of Utilization



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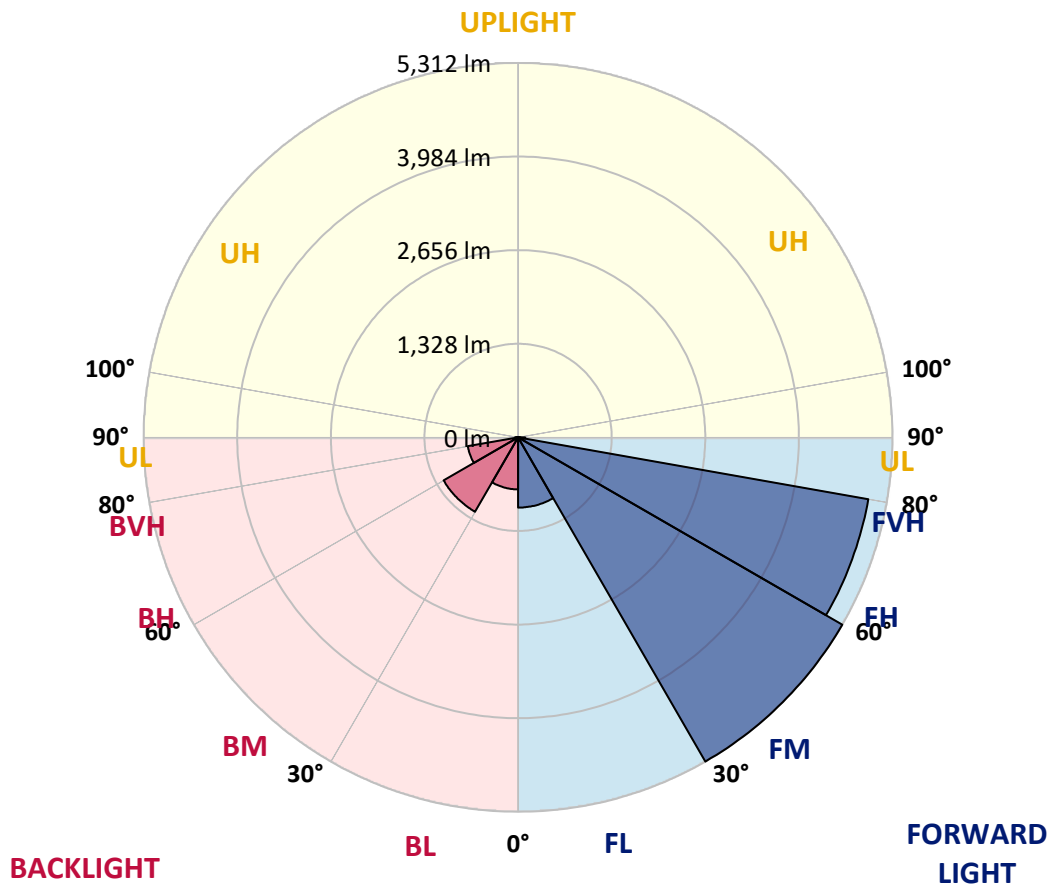
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	996.6	7.0			
FM (30°-60°)	5312.0	37.5			
FH (60°-80°)	5045.6	35.6			G3/7500
FVH (80°-90°)	100.5	0.7			G2/225
BL (0°-30°)	738.0	5.2	B2/1000		
BM (30°-60°)	1219.5	8.6	B2/2500		
BH (60°-80°)	724.6	5.1	B2/1000		G2/1000
BVH (80°-90°)	44.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0
2.5°	2142.0	2130.0	2144.0	2151.0	2169.0	2195.0	2218.0	2219.0	2231.0	2260.0	2288.0
5°	2045.0	2039.0	2043.0	2064.0	2083.0	2116.0	2151.0	2154.0	2188.0	2245.0	2301.0
7.5°	1970.0	1962.0	1977.0	2004.0	2028.0	2065.0	2111.0	2115.0	2163.0	2249.0	2335.0
10°	1862.0	1856.0	1884.0	1920.0	1972.0	2033.0	2094.0	2099.0	2162.0	2275.0	2395.0
12.5°	1815.0	1815.0	1827.0	1861.0	1918.0	1999.0	2091.0	2099.0	2178.0	2315.0	2472.0
15°	1888.0	1893.0	1883.0	1881.0	1904.0	1981.0	2095.0	2107.0	2208.0	2356.0	2548.0
17.5°	2035.0	2040.0	2014.0	1973.0	1950.0	1998.0	2110.0	2123.0	2240.0	2401.0	2630.0
20°	2241.0	2247.0	2190.0	2127.0	2048.0	2047.0	2139.0	2151.0	2281.0	2450.0	2717.0
22.5°	2482.0	2486.0	2414.0	2314.0	2193.0	2138.0	2189.0	2201.0	2334.0	2518.0	2811.0
25°	2761.0	2773.0	2686.0	2541.0	2377.0	2263.0	2272.0	2286.0	2429.0	2609.0	2922.0
27.5°	3059.0	3074.0	2974.0	2814.0	2588.0	2401.0	2379.0	2391.0	2530.0	2665.0	2981.0
30°	3364.0	3375.0	3275.0	3092.0	2815.0	2557.0	2469.0	2476.0	2574.0	2692.0	3041.0
32.5°	3703.1	3694.1	3598.0	3387.0	3077.0	2744.0	2553.0	2551.0	2623.0	2746.0	3127.0
35°	4021.1	4034.1	3932.1	3699.1	3365.0	2975.0	2679.0	2671.0	2727.0	2834.0	3248.0
37.5°	4406.1	4402.1	4280.1	4028.1	3654.1	3196.0	2856.0	2842.0	2862.0	2971.0	3417.0
40°	4681.1	4709.1	4630.1	4395.1	3992.1	3468.0	3063.0	3032.0	3037.0	3140.0	3643.1
42.5°	4906.1	4932.1	4940.1	4790.1	4379.1	3804.1	3321.0	3290.0	3293.0	3439.0	3921.1
45°	5079.1	5114.1	5227.1	5183.1	4815.1	4192.1	3670.1	3638.1	3640.1	3802.1	4257.1
47.5°	5150.1	5188.1	5417.1	5522.1	5278.1	4656.1	4104.1	4057.1	4064.1	4243.1	4641.1
50°	5127.1	5178.1	5488.1	5783.1	5666.1	5128.1	4623.1	4590.1	4563.1	4823.1	5058.1
52.5°	4929.1	4985.1	5481.1	5949.1	5983.1	5574.1	5159.1	5140.1	5134.1	5439.1	5524.1
55°	4346.1	4440.1	5240.1	5993.1	6231.1	5994.1	5740.1	5708.1	5739.1	6099.1	5995.1
57.5°	4023.1	4093.1	4768.1	5944.1	6434.1	6394.1	6320.1	6323.1	6358.1	6816.1	6566.1
60°	3839.1	3921.1	4506.1	5810.1	6629.1	6880.1	6927.1	6927.1	6990.1	7589.1	7146.1
62.5°	3595.0	3678.1	4261.1	5552.1	6809.1	7452.1	7690.1	7687.1	7712.1	8418.1	7713.1
65°	3100.0	3177.0	3769.1	5145.1	6897.1	8082.1	8557.1	8548.1	8498.1	9156.1	8088.1
67.5°	2251.0	2324.0	2887.0	4371.1	6580.1	8590.1	9450.1	9454.1	9155.1	9621.1	8108.1
70°	1484.0	1534.0	1856.0	2839.0	5351.1	8371.1	9824.1	9836.1	9256.1	9331.1	7216.1
72.5°	926.0	961.0	1159.0	1693.0	3162.0	6626.1	8864.1	8897.1	8327.1	8200.1	5929.1
75°	615.0	639.0	771.0	987.0	1463.0	3586.0	6738.1	6844.1	6674.1	6428.1	4131.1
77.5°	370.0	390.0	491.0	627.0	648.0	1401.0	3933.1	4207.1	4231.1	3356.0	1730.0
80°	169.0	192.0	271.0	358.0	345.0	488.0	1387.0	1451.0	1712.0	1066.0	546.0
82.5°	100.0	110.0	180.0	178.0	147.0	237.0	499.0	512.0	435.0	390.0	233.0
85°	40.0	47.0	76.0	67.0	54.0	77.0	188.0	197.0	189.0	170.0	86.0
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	17.0	18.0	26.0	47.0	26.0
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°	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0	2289.0
2.5°	2306.0	2300.0	2330.0	2353.0	2363.0	2373.0	2364.0	2361.0	2361.0	2341.0	2331.0
5°	2331.0	2334.0	2375.0	2394.0	2394.0	2386.0	2362.0	2345.0	2339.0	2313.0	2306.0
7.5°	2378.0	2391.0	2429.0	2428.0	2400.0	2356.0	2296.0	2250.0	2208.0	2190.0	2179.0
10°	2455.0	2472.0	2498.0	2456.0	2378.0	2262.0	2135.0	2035.0	1975.0	1927.0	1927.0
12.5°	2543.0	2559.0	2554.0	2457.0	2296.0	2079.0	1896.0	1781.0	1697.0	1653.0	1653.0
15°	2631.0	2644.0	2590.0	2411.0	2125.0	1836.0	1636.0	1498.0	1425.0	1384.0	1384.0
17.5°	2720.0	2719.0	2605.0	2305.0	1902.0	1567.0	1371.0	1264.0	1239.0	1232.0	1231.0
20°	2806.0	2783.0	2586.0	2128.0	1643.0	1296.0	1172.0	1179.0	1216.0	1232.0	1234.0
22.5°	2903.0	2846.0	2530.0	1902.0	1349.0	1108.0	1116.0	1174.0	1228.0	1252.0	1255.0
25°	3002.0	2900.0	2436.0	1637.0	1103.0	1039.0	1101.0	1166.0	1227.0	1258.0	1261.0
27.5°	3042.0	2900.0	2276.0	1330.0	972.0	1010.0	1078.0	1141.0	1205.0	1241.0	1248.0
30°	3075.0	2875.0	2052.0	1053.0	918.0	982.0	1041.0	1099.0	1162.0	1206.0	1214.0
32.5°	3121.0	2853.0	1781.0	885.0	893.0	955.0	996.0	1045.0	1102.0	1131.0	1128.0
35°	3175.0	2819.0	1454.0	805.0	872.0	932.0	961.0	990.0	964.0	963.0	966.0
37.5°	3252.0	2789.0	1169.0	769.0	858.0	916.0	940.0	878.0	842.0	827.0	821.0
40°	3363.0	2777.0	922.0	748.0	856.0	915.0	898.0	802.0	753.0	701.0	700.0
42.5°	3503.0	2768.0	762.0	738.0	863.0	938.0	840.0	752.0	651.0	628.0	626.0
45°	3683.1	2754.0	682.0	736.0	880.0	956.0	834.0	683.0	614.0	604.0	604.0
47.5°	3900.1	2732.0	646.0	736.0	899.0	948.0	816.0	668.0	597.0	608.0	615.0
50°	4149.1	2704.0	627.0	734.0	918.0	948.0	778.0	665.0	593.0	650.0	673.0
52.5°	4415.1	2672.0	614.0	726.0	931.0	949.0	780.0	675.0	597.0	660.0	679.0
55°	4709.1	2667.0	596.0	709.0	935.0	923.0	785.0	697.0	603.0	598.0	599.0
57.5°	5080.1	2727.0	583.0	684.0	919.0	870.0	795.0	713.0	596.0	597.0	604.0
60°	5468.1	2840.0	594.0	660.0	886.0	820.0	802.0	705.0	562.0	546.0	548.0
62.5°	5798.1	2926.0	603.0	649.0	838.0	776.0	795.0	687.0	543.0	539.0	548.0
65°	5936.1	2855.0	581.0	626.0	768.0	722.0	780.0	664.0	527.0	512.0	513.0
67.5°	5783.1	2522.0	538.0	575.0	689.0	653.0	756.0	634.0	505.0	487.0	483.0
70°	4940.1	1853.0	464.0	494.0	593.0	572.0	719.0	595.0	470.0	457.0	448.0
72.5°	3981.1	1312.0	385.0	393.0	465.0	482.0	655.0	546.0	430.0	393.0	380.0
75°	2771.0	824.0	321.0	313.0	336.0	368.0	511.0	453.0	371.0	332.0	320.0
77.5°	1192.0	423.0	251.0	247.0	224.0	255.0	392.0	378.0	311.0	266.0	259.0
80°	399.0	245.0	181.0	174.0	149.0	179.0	276.0	302.0	244.0	197.0	185.0
82.5°	200.0	142.0	115.0	104.0	100.0	113.0	163.0	188.0	169.0	136.0	115.0
85°	98.0	81.0	63.0	62.0	52.0	49.0	68.0	80.0	76.0	56.0	53.0
87.5°	36.0	32.0	20.0	16.0	10.0	7.0	4.0	4.0	3.0	3.0	3.0
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)