

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: P634810

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
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
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14224.1 lumens
Efficiency: N/A
Efficacy: 152.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

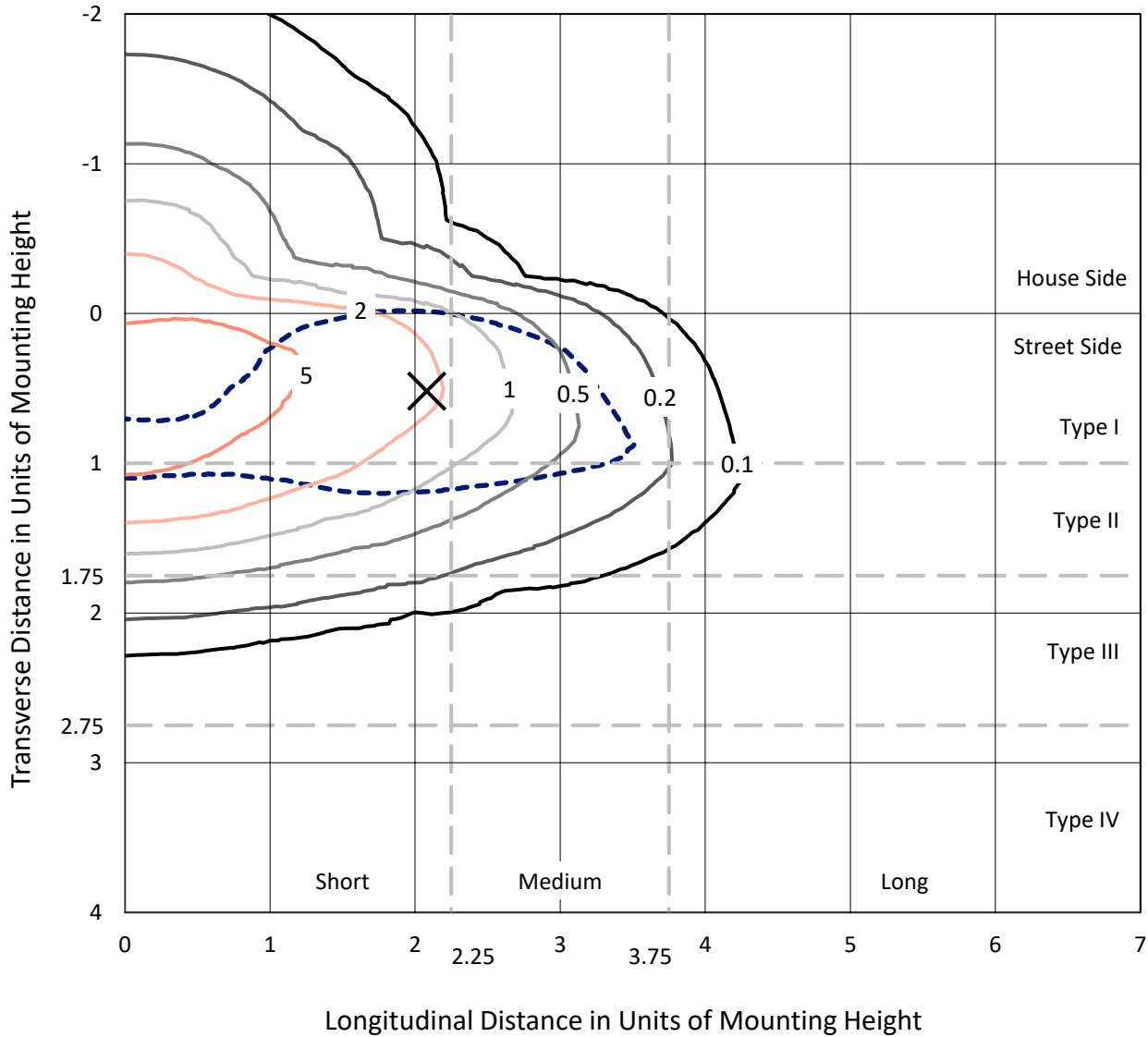
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

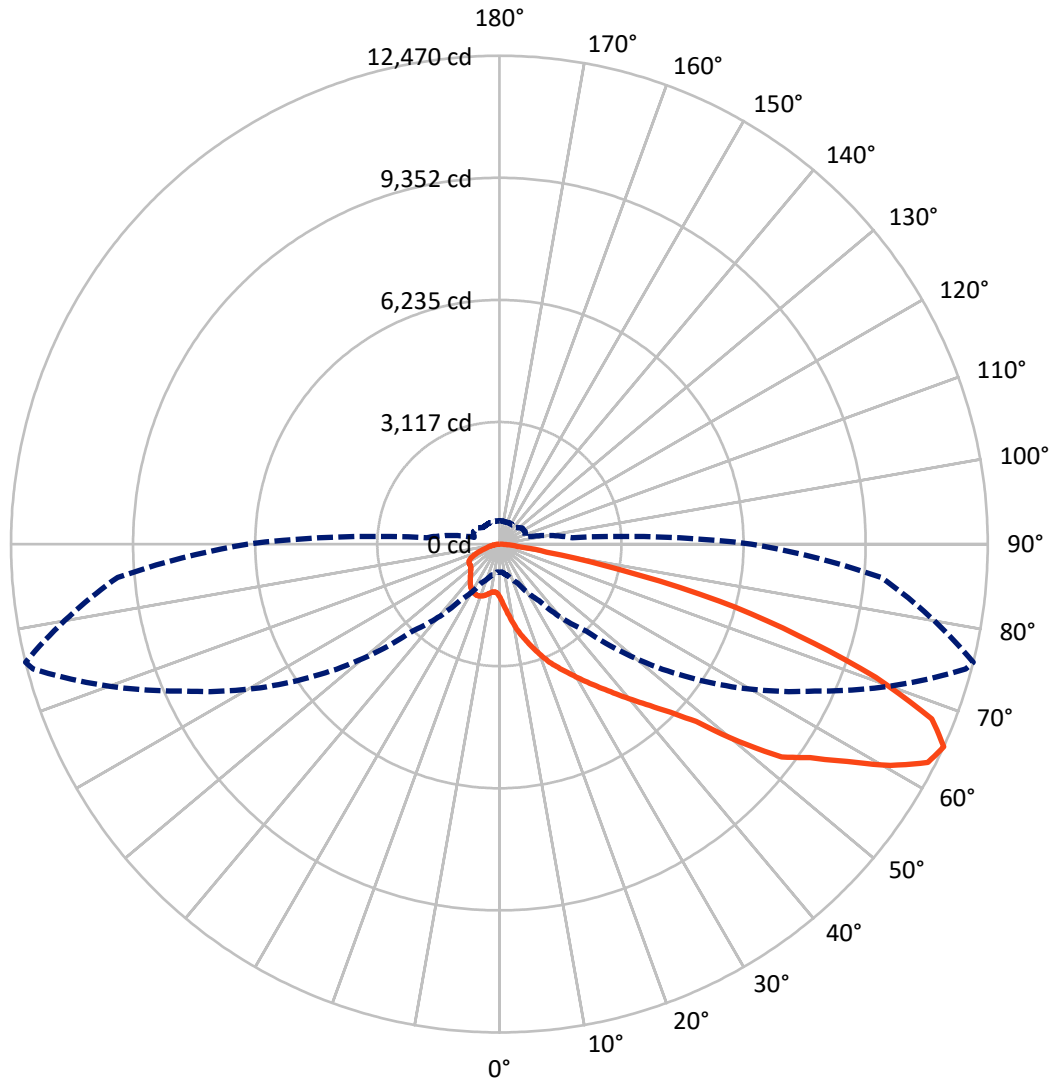
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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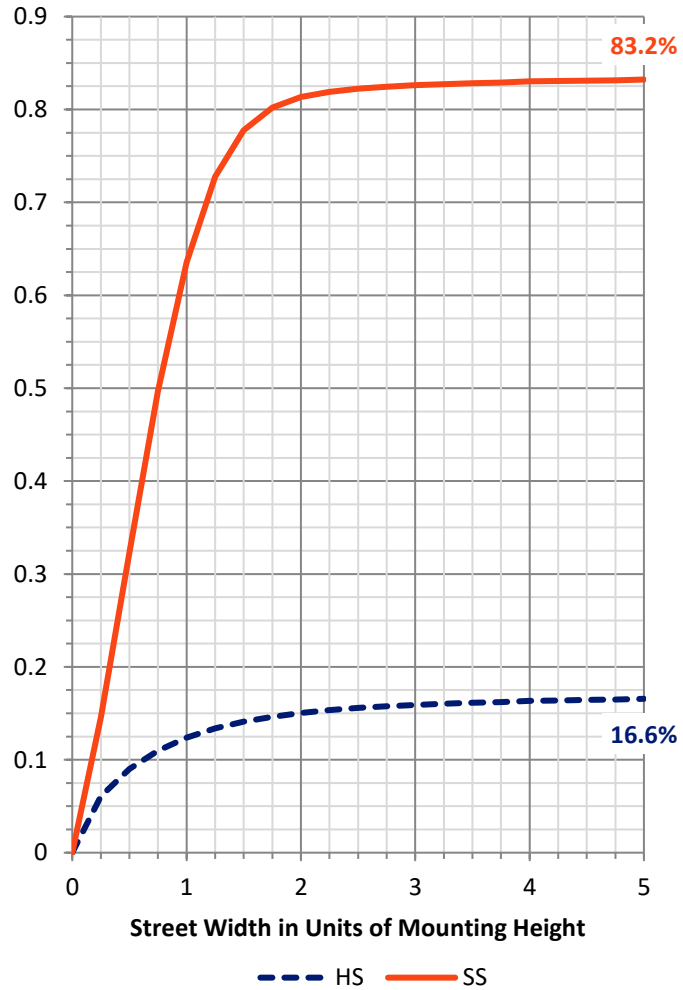
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2377.6	0.0	2377.6
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	11846.5	0.0	11846.5
	% Fixture	83.3	0.0	83.3
Total	Lumens	14224.1	0.0	14224.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.0	1.1
10°-20°	609.5	4.3
20°-30°	1187.9	8.4
30°-40°	1986.7	14.0
40°-50°	2844.5	20.0
50°-60°	3367.5	23.7
60°-70°	2800.1	19.7
70°-80°	1145.9	8.1
80°-90°	122.0	0.9
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°	14224.1	100.0
0°-180°	14224.1	100.0

Coefficient of Utilization



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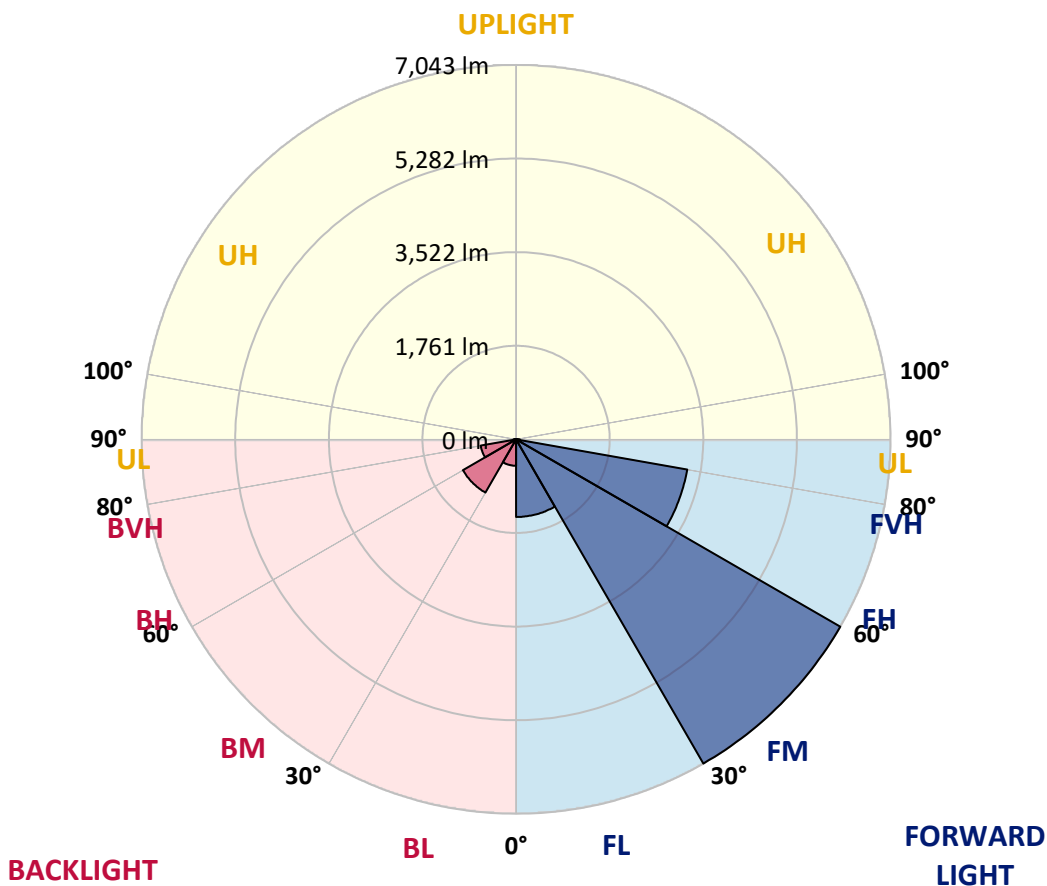
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1460.0	10.3			
FM (30°-60°)	7043.2	49.5			
FH (60°-80°)	3270.5	23.0			G2/5000
FVH (80°-90°)	72.8	0.5			G1/100
BL (0°-30°)	497.4	3.5	B1/500		
BM (30°-60°)	1155.5	8.1	B2/2500		
BH (60°-80°)	675.5	4.7	B2/1000		G2/1000
BVH (80°-90°)	49.2	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0
2.5°	1887.9	1894.9	1871.9	1863.9	1809.9	1736.9	1676.0	1584.0	1499.0	1486.0	1410.0
5°	2397.9	2367.9	2341.9	2324.9	2249.9	2166.9	2037.9	1864.9	1684.0	1662.0	1498.0
7.5°	2700.9	2695.9	2663.9	2653.9	2595.9	2512.9	2379.9	2164.9	1901.9	1865.9	1617.0
10°	2943.9	2940.9	2924.9	2933.9	2880.9	2799.9	2670.9	2448.9	2140.9	2104.9	1749.9
12.5°	3155.9	3160.9	3157.9	3190.9	3163.9	3100.9	2966.9	2722.9	2379.9	2340.9	1911.9
15°	3310.9	3314.9	3329.9	3401.9	3416.9	3403.9	3267.9	2991.9	2615.9	2559.9	2078.9
17.5°	3354.9	3362.9	3398.9	3514.9	3595.9	3649.9	3548.9	3265.9	2847.9	2786.9	2248.9
20°	3413.9	3422.9	3458.9	3579.9	3698.9	3821.9	3803.9	3543.9	3081.9	3031.9	2420.9
22.5°	3686.9	3679.9	3663.9	3721.9	3806.9	3959.9	4004.9	3810.9	3323.9	3275.9	2610.9
25°	4212.9	4199.9	4097.9	4044.9	4016.9	4109.9	4189.9	4053.9	3559.9	3487.9	2787.9
27.5°	4792.9	4785.9	4655.9	4529.9	4357.9	4317.9	4364.9	4265.9	3788.9	3715.9	2941.9
30°	5341.8	5320.8	5184.8	5026.9	4796.9	4624.9	4555.9	4473.9	4039.9	3963.9	3121.9
32.5°	5832.8	5805.8	5645.8	5470.8	5229.8	5026.9	4820.9	4694.9	4323.9	4235.9	3305.9
35°	6235.8	6208.8	6044.8	5858.8	5593.8	5443.8	5161.8	4934.9	4612.9	4523.9	3522.9
37.5°	6547.8	6522.8	6351.8	6168.8	5937.8	5818.8	5573.8	5204.8	4945.9	4852.9	3752.9
40°	6722.8	6704.8	6567.8	6422.8	6228.8	6125.8	6015.8	5545.8	5318.8	5225.8	4023.9
42.5°	6775.8	6763.8	6667.8	6592.8	6461.8	6383.8	6446.8	5946.8	5716.8	5635.8	4328.9
45°	6642.8	6642.8	6614.8	6652.8	6658.8	6657.8	6878.8	6399.8	6205.8	6116.8	4758.9
47.5°	6302.8	6324.8	6365.8	6552.8	6749.8	6914.8	7383.8	7003.8	6834.8	6761.8	5367.8
50°	5680.8	5740.8	5880.8	6245.8	6664.8	7084.8	7861.8	7896.8	8057.8	7928.8	6263.8
52.5°	4769.9	4760.9	5117.8	5637.8	6276.8	7091.8	8124.8	8684.7	9117.7	9028.7	6929.8
55°	3790.9	3775.9	4108.9	4825.9	5681.8	6823.8	8282.8	9045.7	9705.7	9625.7	7528.8
57.5°	2902.9	2883.9	3179.9	3826.9	4841.9	6254.8	8252.8	9475.7	10514.7	10473.7	8342.8
60°	1997.9	1974.9	2251.9	2817.9	3847.9	5384.8	7920.8	9696.7	11461.7	11475.7	9213.7
62.5°	1200.0	1187.0	1388.0	1826.9	2767.9	4306.9	7143.8	9562.7	12215.6	12278.6	9773.7
65°	724.0	715.0	833.0	1090.0	1755.9	3142.9	5945.8	8877.7	12324.6	12469.6	9786.7
67.5°	527.0	528.0	562.0	664.0	1024.0	2029.9	4461.9	7649.8	11756.7	11906.6	9169.7
70°	458.0	460.0	478.0	501.0	619.0	1162.0	2900.9	6038.8	10077.7	10193.7	7690.8
72.5°	407.0	407.0	419.0	431.0	484.0	708.0	1554.0	4220.9	7953.8	7984.8	5869.8
75°	358.0	355.0	361.0	367.0	420.0	495.0	756.0	2940.9	5874.8	5802.8	3793.9
77.5°	285.0	282.0	283.0	289.0	337.0	354.0	383.0	1836.9	3310.9	3124.9	1676.0
80°	203.0	201.0	212.0	227.0	249.0	217.0	240.0	889.0	1313.0	1222.0	650.0
82.5°	121.0	125.0	142.0	154.0	172.0	136.0	155.0	297.0	465.0	453.0	264.0
85°	17.0	18.0	51.0	59.0	74.0	53.0	82.0	134.0	186.0	199.0	93.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.0	24.0	53.0	54.0	23.0
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°	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0	1347.0
2.5°	1371.0	1324.0	1257.0	1201.0	1154.0	1116.0	1084.0	1060.0	1053.0	1043.0	1043.0
5°	1421.0	1336.0	1216.0	1131.0	1082.0	1053.0	1033.0	1023.0	1018.0	1012.0	1009.0
7.5°	1490.0	1371.0	1209.0	1123.0	1085.0	1067.0	1054.0	1048.0	1044.0	1038.0	1038.0
10°	1585.0	1423.0	1231.0	1151.0	1121.0	1103.0	1088.0	1078.0	1069.0	1060.0	1058.0
12.5°	1688.0	1491.0	1271.0	1189.0	1157.0	1135.0	1114.0	1099.0	1088.0	1077.0	1074.0
15°	1801.9	1561.0	1314.0	1226.0	1186.0	1156.0	1131.0	1108.0	1093.0	1077.0	1075.0
17.5°	1913.9	1632.0	1350.0	1251.0	1200.0	1163.0	1127.0	1097.0	1078.0	1060.0	1055.0
20°	2047.9	1702.9	1375.0	1258.0	1197.0	1148.0	1105.0	1067.0	1046.0	1025.0	1022.0
22.5°	2170.9	1768.9	1387.0	1248.0	1174.0	1116.0	1066.0	1025.0	1002.0	981.0	977.0
25°	2289.9	1826.9	1382.0	1224.0	1139.0	1072.0	1020.0	979.0	957.0	935.0	929.0
27.5°	2404.9	1865.9	1362.0	1187.0	1095.0	1023.0	973.0	936.0	917.0	898.0	890.0
30°	2517.9	1901.9	1331.0	1139.0	1039.0	972.0	931.0	905.0	886.0	866.0	860.0
32.5°	2631.9	1927.9	1284.0	1083.0	982.0	927.0	902.0	883.0	863.0	843.0	837.0
35°	2746.9	1938.9	1227.0	1019.0	934.0	898.0	889.0	867.0	840.0	816.0	808.0
37.5°	2883.9	1948.9	1156.0	956.0	892.0	884.0	882.0	849.0	817.0	784.0	775.0
40°	3048.9	1961.9	1083.0	899.0	858.0	879.0	871.0	826.0	762.0	730.0	720.0
42.5°	3250.9	1985.9	1007.0	847.0	833.0	860.0	851.0	770.0	727.0	709.0	704.0
45°	3547.9	2073.9	931.0	806.0	814.0	833.0	819.0	737.0	720.0	708.0	702.0
47.5°	4076.9	2208.9	865.0	775.0	799.0	809.0	755.0	728.0	715.0	699.0	692.0
50°	4626.9	2267.9	812.0	756.0	782.0	787.0	720.0	716.0	707.0	690.0	683.0
52.5°	4998.9	2259.9	780.0	749.0	768.0	749.0	704.0	703.0	697.0	677.0	669.0
55°	5418.8	2273.9	766.0	751.0	762.0	685.0	684.0	687.0	684.0	662.0	658.0
57.5°	5985.8	2316.9	759.0	758.0	758.0	654.0	665.0	669.0	663.0	653.0	650.0
60°	6530.8	2319.9	746.0	766.0	755.0	635.0	643.0	647.0	640.0	638.0	637.0
62.5°	6735.8	2175.9	717.0	760.0	743.0	614.0	620.0	622.0	615.0	620.0	619.0
65°	6430.8	1869.9	669.0	731.0	706.0	595.0	591.0	596.0	584.0	597.0	598.0
67.5°	5709.8	1486.0	596.0	676.0	654.0	574.0	566.0	566.0	546.0	566.0	565.0
70°	4603.9	1050.0	489.0	588.0	597.0	549.0	545.0	522.0	490.0	520.0	517.0
72.5°	3489.9	754.0	385.0	465.0	514.0	514.0	515.0	476.0	439.0	453.0	441.0
75°	2210.9	531.0	308.0	356.0	403.0	451.0	474.0	402.0	369.0	363.0	357.0
77.5°	996.0	349.0	240.0	273.0	286.0	356.0	433.0	346.0	301.0	288.0	284.0
80°	417.0	217.0	171.0	193.0	176.0	299.0	382.0	269.0	221.0	203.0	190.0
82.5°	183.0	129.0	109.0	104.0	110.0	222.0	285.0	179.0	138.0	187.0	189.0
85°	77.0	68.0	56.0	51.0	45.0	85.0	134.0	70.0	86.0	49.0	40.0
87.5°	18.0	20.0	15.0	10.0	6.0	1.0	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)