

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: P634780

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14205 lumens
Efficiency: N/A
Efficacy: 152.7 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

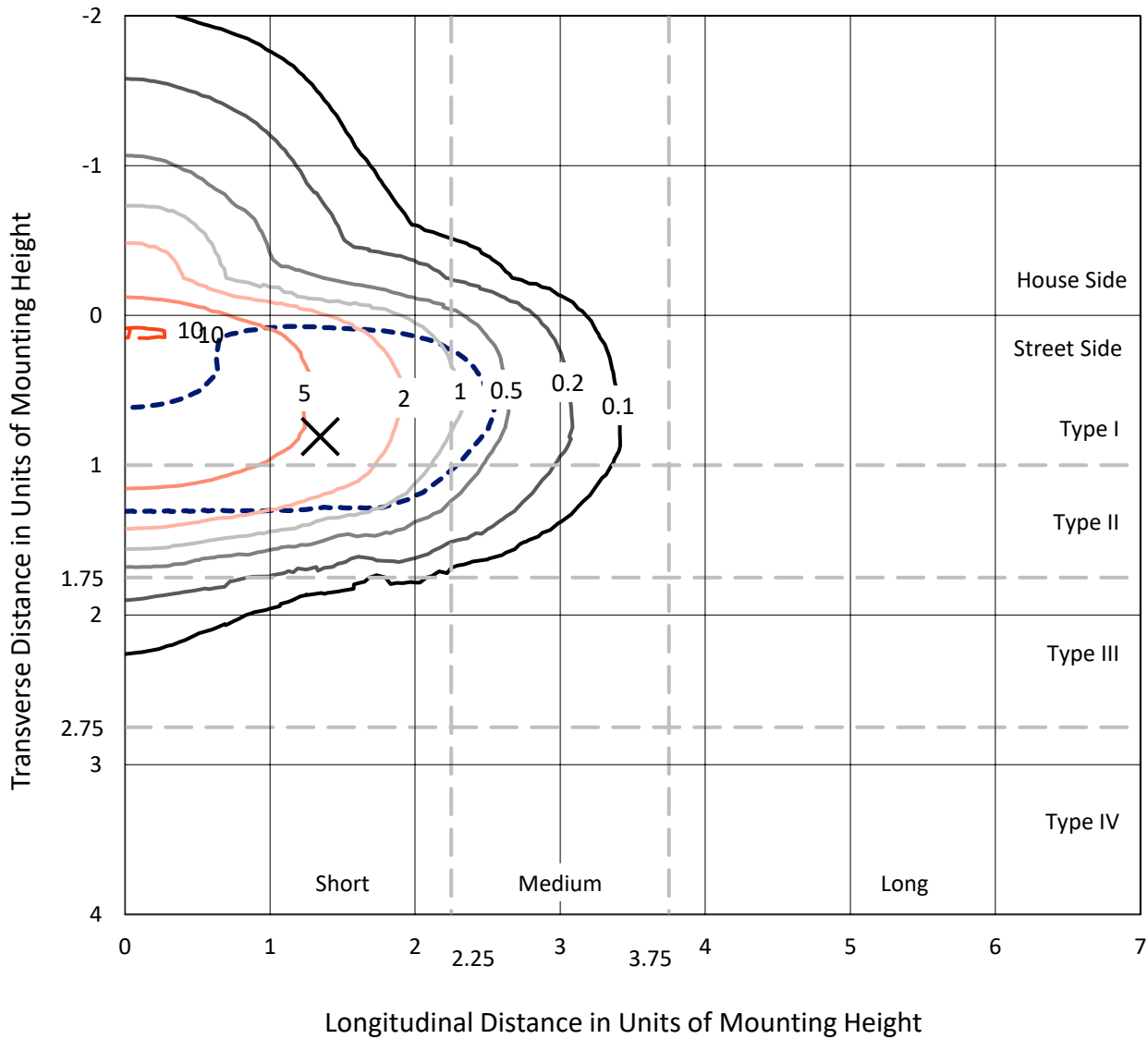


REPORT NUMBER: P634780

CATALOG NUMBER: GWS-SA3C-740-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination

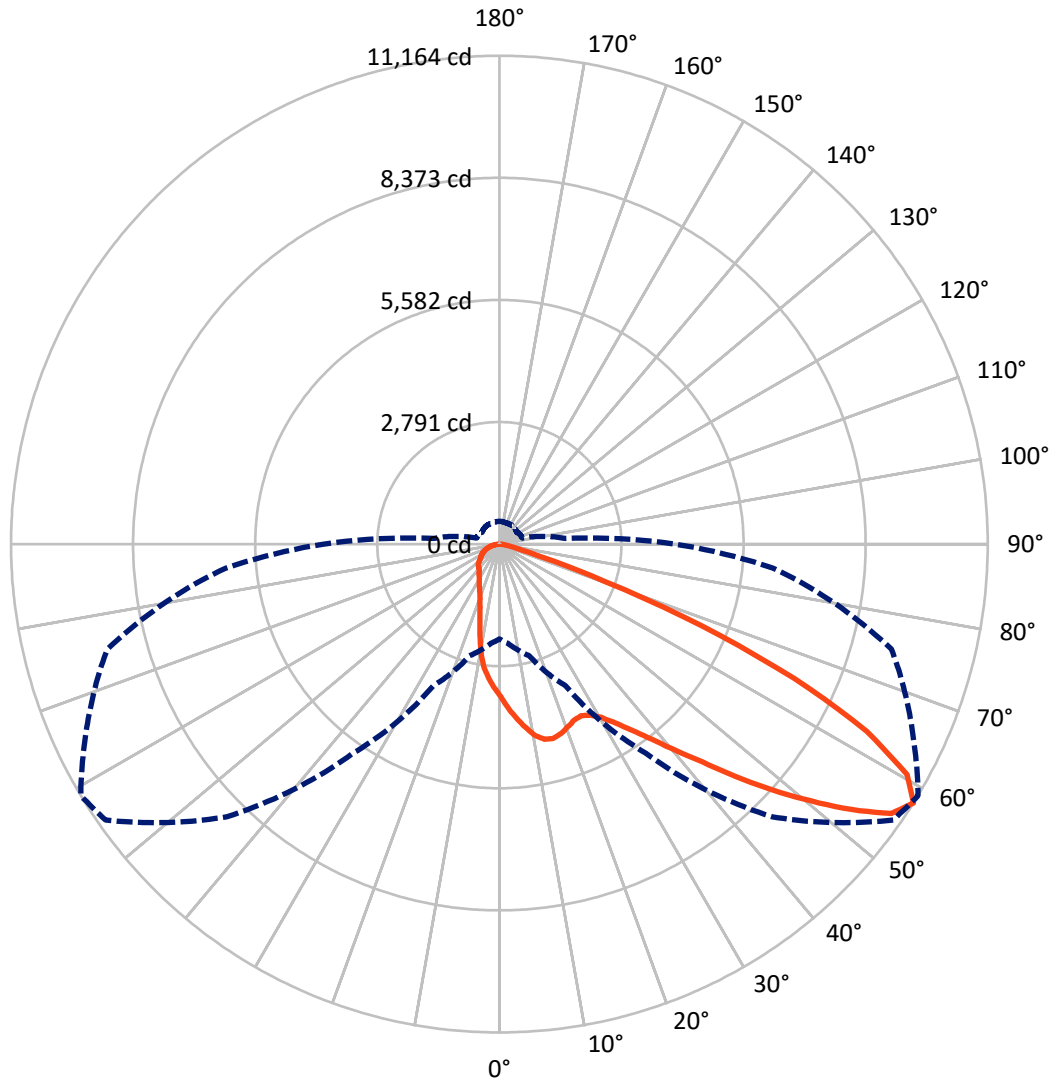
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

REPORT NUMBER: P634780
CATALOG NUMBER: GWS-SA3C-740-U-AFL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634780

CATALOG NUMBER: GWS-SA3C-740-U-AFL-W

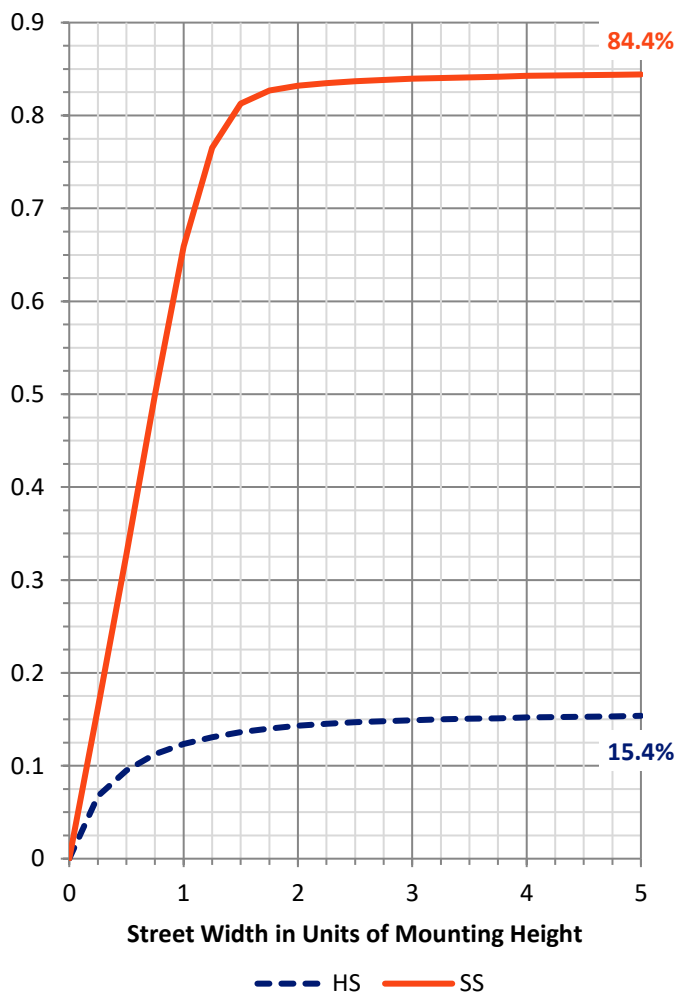
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2204.5	0.0	2204.5
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	12000.5	0.0	12000.5
	% Fixture	84.5	0.0	84.5
Total	Lumens	14205.0	0.0	14205.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.8	2.3
10°-20°	820.4	5.8
20°-30°	1330.0	9.4
30°-40°	2139.4	15.1
40°-50°	3322.3	23.4
50°-60°	3578.6	25.2
60°-70°	2076.9	14.6
70°-80°	542.2	3.8
80°-90°	71.4	0.5
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°	14205.0	100.0
0°-180°	14205.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634780

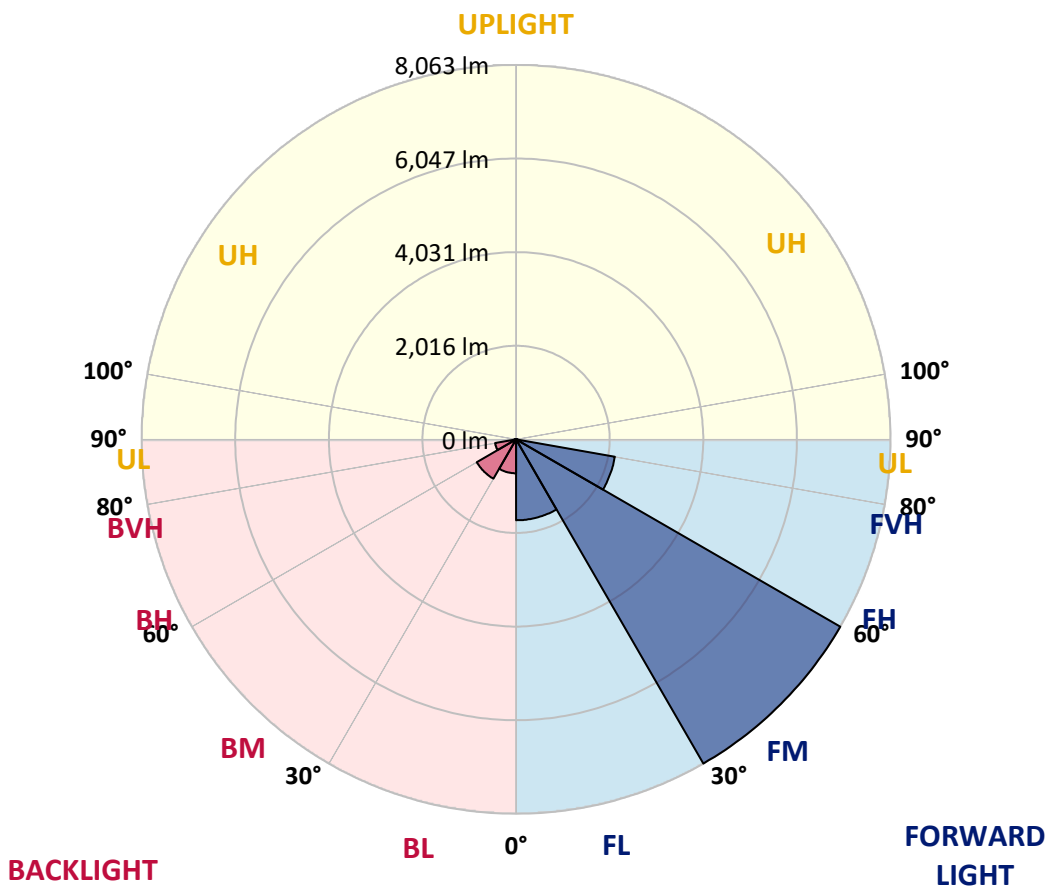
CATALOG NUMBER: GWS-SA3C-740-U-AFL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1742.8	12.3			
FM (30°-60°)	8062.9	56.8			
FH (60°-80°)	2160.5	15.2			G2/5000
FVH (80°-90°)	34.2	0.2			G1/100
BL (0°-30°)	731.4	5.1	B2/1000		
BM (30°-60°)	977.4	6.9	B1/1000		
BH (60°-80°)	458.5	3.2	B1/500		G1/500
BVH (80°-90°)	37.2	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





REPORT NUMBER: P634780

CATALOG NUMBER: GWS-SA3C-740-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0
2.5°	3955.0	3922.0	3945.0	3904.0	3887.0	3842.0	3784.0	3745.0	3685.0	3607.0	3539.0
5°	4348.1	4325.1	4330.1	4286.1	4247.1	4172.1	4053.1	3987.0	3885.0	3728.0	3582.0
7.5°	4336.1	4363.1	4378.1	4416.1	4427.1	4420.1	4313.1	4221.1	4109.1	3873.0	3653.0
10°	3887.0	3938.0	3984.0	4114.1	4272.1	4472.1	4497.1	4442.1	4329.1	4058.1	3738.0
12.5°	3398.0	3437.0	3478.0	3634.0	3876.0	4276.1	4547.1	4581.1	4536.1	4241.1	3834.0
15°	3158.0	3176.0	3215.0	3318.0	3511.0	3955.0	4460.1	4609.1	4690.1	4435.1	3942.0
17.5°	3148.0	3156.0	3175.0	3230.0	3364.0	3707.0	4303.1	4553.1	4811.1	4640.1	4068.1
20°	3355.0	3334.0	3322.0	3321.0	3387.0	3624.0	4151.1	4463.1	4868.1	4850.1	4203.1
22.5°	3642.0	3649.0	3623.0	3559.0	3551.0	3683.0	4075.1	4372.1	4885.1	5036.1	4328.1
25°	4049.1	4084.1	4007.0	3885.0	3825.0	3854.0	4122.1	4344.1	4883.1	5191.1	4406.1
27.5°	4524.1	4551.1	4473.1	4313.1	4189.1	4119.1	4262.1	4427.1	4900.1	5325.1	4453.1
30°	5065.1	5074.1	4967.1	4799.1	4618.1	4468.1	4495.1	4598.1	4987.1	5501.1	4508.1
32.5°	5726.1	5764.1	5602.1	5336.1	5083.1	4891.1	4808.1	4874.1	5175.1	5709.1	4593.1
35°	6565.1	6578.1	6372.1	5991.1	5633.1	5367.1	5193.1	5228.1	5461.1	6000.1	4721.1
37.5°	7356.1	7369.1	7150.1	6796.1	6284.1	5920.1	5668.1	5652.1	5827.1	6411.1	4930.1
40°	7858.1	7895.1	7797.1	7575.1	7086.1	6595.1	6253.1	6198.1	6307.1	6914.1	5221.1
42.5°	8128.1	8144.1	8142.1	8171.1	7880.1	7392.1	6913.1	6803.1	6876.1	7457.1	5515.1
45°	8130.1	8170.1	8277.1	8556.1	8569.1	8265.1	7747.1	7575.1	7508.1	8004.1	5822.1
47.5°	7766.1	7809.1	8103.1	8652.1	9057.1	9126.1	8746.1	8401.1	8119.1	8475.1	6074.1
50°	6664.1	6772.1	7332.1	8303.1	9153.1	9816.1	9699.1	9231.1	8662.1	8839.1	6232.1
52.5°	5707.1	5703.1	6048.1	7317.1	8752.1	10120.1	10621.1	10085.1	9199.1	9070.1	6272.1
55°	4179.1	4202.1	4555.1	5596.1	7682.1	9826.1	11128.1	10871.1	9815.1	9193.1	6256.1
57.5°	2167.0	2281.0	2643.0	3571.0	5837.1	8814.1	10993.1	11164.1	10441.1	9280.1	6277.1
60°	1095.0	1073.0	1203.0	1705.0	3382.0	6884.1	10161.1	10706.1	10554.1	9348.1	6290.1
62.5°	731.0	725.0	689.0	790.0	1382.0	4077.1	8662.1	9426.1	9769.1	9188.1	6124.1
65°	633.0	621.0	555.0	551.0	671.0	1691.0	6349.1	7410.1	8074.1	8477.1	5727.1
67.5°	570.0	552.0	485.0	452.0	482.0	743.0	3578.0	4970.1	5962.1	7169.1	4857.1
70°	509.0	500.0	433.0	385.0	382.0	453.0	1318.0	2565.0	3648.0	4891.1	3551.0
72.5°	456.0	440.0	383.0	337.0	314.0	321.0	572.0	988.0	1888.0	3051.0	2124.0
75°	395.0	383.0	333.0	287.0	259.0	235.0	349.0	457.0	861.0	1450.0	1003.0
77.5°	305.0	297.0	263.0	228.0	212.0	175.0	212.0	288.0	398.0	611.0	522.0
80°	177.0	182.0	196.0	178.0	156.0	125.0	138.0	166.0	239.0	331.0	296.0
82.5°	89.0	95.0	127.0	103.0	93.0	73.0	82.0	98.0	125.0	183.0	116.0
85°	7.0	7.0	23.0	26.0	32.0	26.0	33.0	40.0	57.0	73.0	39.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.0	9.0	17.0	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P634780
 CATALOG NUMBER: GWS-SA3C-740-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0	3487.0
2.5°	3493.0	3442.0	3381.0	3331.0	3254.0	3213.0	3161.0	3097.0	3071.0	3059.0	3052.0
5°	3500.0	3410.0	3280.0	3160.0	3027.0	2922.0	2805.0	2683.0	2613.0	2596.0	2584.0
7.5°	3526.0	3400.0	3193.0	2995.0	2748.0	2519.0	2296.0	2075.0	1962.0	1919.0	1915.0
10°	3562.0	3396.0	3105.0	2776.0	2359.0	1997.0	1736.0	1563.0	1490.0	1466.0	1458.0
12.5°	3607.0	3393.0	2989.0	2472.0	1910.0	1568.0	1419.0	1391.0	1401.0	1399.0	1399.0
15°	3664.0	3397.0	2849.0	2128.0	1545.0	1361.0	1364.0	1397.0	1428.0	1433.0	1433.0
17.5°	3726.0	3393.0	2646.0	1783.0	1326.0	1312.0	1358.0	1404.0	1432.0	1436.0	1436.0
20°	3793.0	3374.0	2390.0	1458.0	1230.0	1281.0	1331.0	1367.0	1384.0	1388.0	1388.0
22.5°	3833.0	3320.0	2112.0	1234.0	1169.0	1232.0	1265.0	1302.0	1304.0	1272.0	1271.0
25°	3827.0	3219.0	1795.0	1090.0	1104.0	1159.0	1201.0	1175.0	1143.0	1125.0	1122.0
27.5°	3789.0	3067.0	1472.0	981.0	1027.0	1089.0	1076.0	1054.0	1046.0	1026.0	1024.0
30°	3741.0	2880.0	1182.0	896.0	947.0	1004.0	984.0	982.0	974.0	952.0	952.0
32.5°	3695.0	2687.0	963.0	833.0	896.0	900.0	928.0	930.0	926.0	888.0	884.0
35°	3682.0	2494.0	815.0	783.0	846.0	844.0	884.0	883.0	814.0	761.0	760.0
37.5°	3721.0	2298.0	727.0	742.0	777.0	803.0	835.0	777.0	754.0	722.0	720.0
40°	3804.0	2117.0	682.0	718.0	733.0	771.0	721.0	725.0	719.0	695.0	692.0
42.5°	3914.0	1963.0	657.0	710.0	708.0	718.0	663.0	679.0	688.0	670.0	667.0
45°	4020.1	1829.0	644.0	680.0	690.0	632.0	621.0	636.0	650.0	643.0	640.0
47.5°	4098.1	1713.0	637.0	639.0	667.0	603.0	585.0	592.0	609.0	612.0	611.0
50°	4122.1	1614.0	629.0	605.0	599.0	574.0	560.0	558.0	578.0	592.0	594.0
52.5°	4076.1	1526.0	608.0	575.0	546.0	550.0	545.0	535.0	555.0	574.0	576.0
55°	4008.0	1476.0	575.0	546.0	512.0	528.0	530.0	521.0	534.0	547.0	547.0
57.5°	4013.1	1505.0	543.0	519.0	482.0	503.0	514.0	510.0	510.0	520.0	521.0
60°	4046.1	1547.0	522.0	485.0	452.0	474.0	499.0	495.0	486.0	499.0	499.0
62.5°	3951.0	1491.0	508.0	452.0	420.0	446.0	476.0	474.0	464.0	485.0	487.0
65°	3671.0	1341.0	492.0	411.0	388.0	418.0	444.0	451.0	442.0	470.0	475.0
67.5°	3077.0	1128.0	461.0	372.0	356.0	384.0	409.0	419.0	412.0	445.0	449.0
70°	2294.0	913.0	412.0	329.0	317.0	342.0	365.0	369.0	370.0	409.0	413.0
72.5°	1463.0	710.0	347.0	281.0	272.0	291.0	308.0	324.0	331.0	368.0	367.0
75°	816.0	528.0	279.0	238.0	222.0	237.0	257.0	276.0	296.0	350.0	356.0
77.5°	470.0	371.0	221.0	191.0	172.0	188.0	205.0	232.0	292.0	339.0	333.0
80°	265.0	241.0	167.0	140.0	128.0	140.0	153.0	204.0	230.0	250.0	253.0
82.5°	124.0	135.0	114.0	86.0	86.0	94.0	106.0	158.0	174.0	142.0	124.0
85°	45.0	61.0	56.0	44.0	39.0	38.0	66.0	90.0	56.0	50.0	43.0
87.5°	12.0	17.0	16.0	11.0	6.0	5.0	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)