

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: P634785

Luminaire Tested: GWS-SA3C-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11881 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

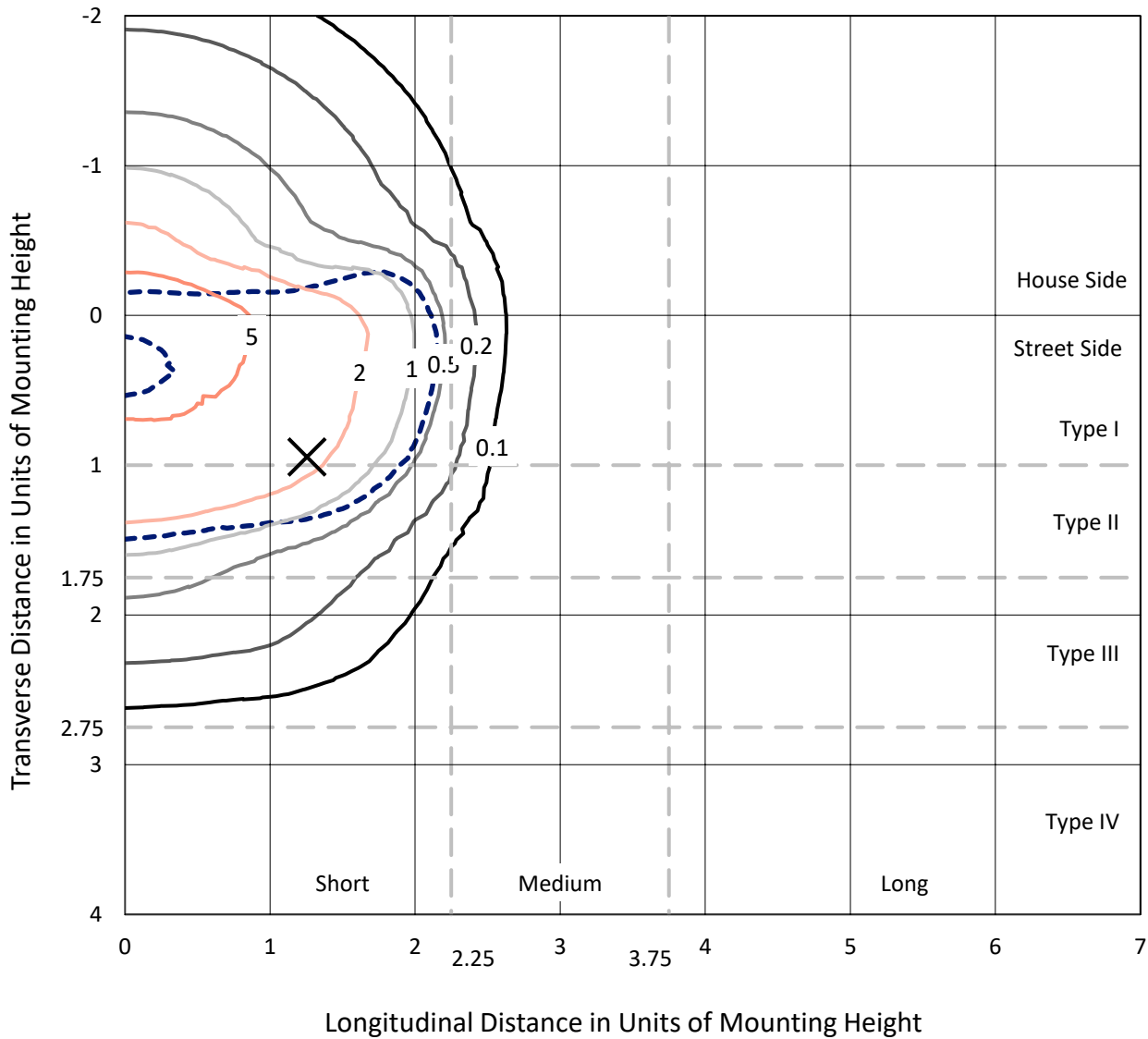
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634785
 CATALOG NUMBER: GWS-SA3C-740-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

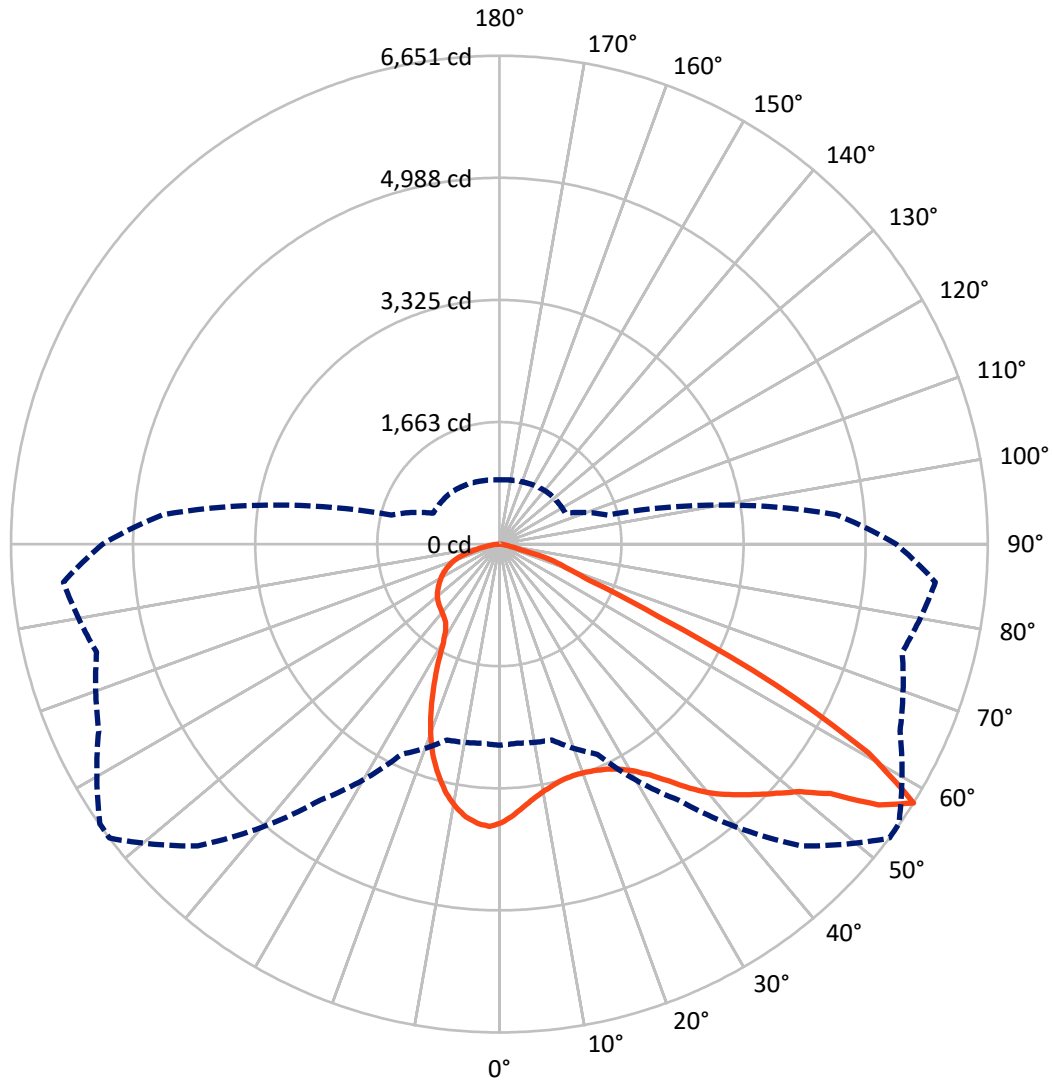
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - N/A

REPORT NUMBER: P634785
CATALOG NUMBER: GWS-SA3C-740-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634785

CATALOG NUMBER: GWS-SA3C-740-U-SL2-W-GRSWH

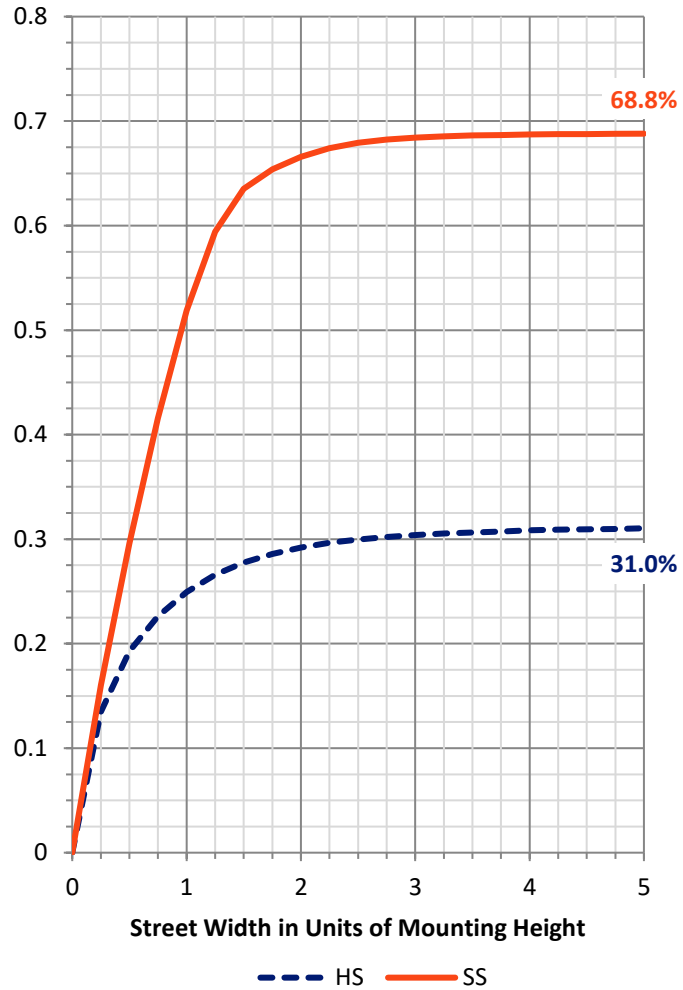
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3714.8	0.0	3714.8
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	8166.2	0.0	8166.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	11881.0	0.0	11881.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.1	2.9
10°-20°	900.1	7.6
20°-30°	1326.2	11.2
30°-40°	1856.3	15.6
40°-50°	2440.2	20.5
50°-60°	2861.2	24.1
60°-70°	1685.5	14.2
70°-80°	419.3	3.5
80°-90°	49.2	0.4
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°	11881.0	100.0
0°-180°	11881.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634785

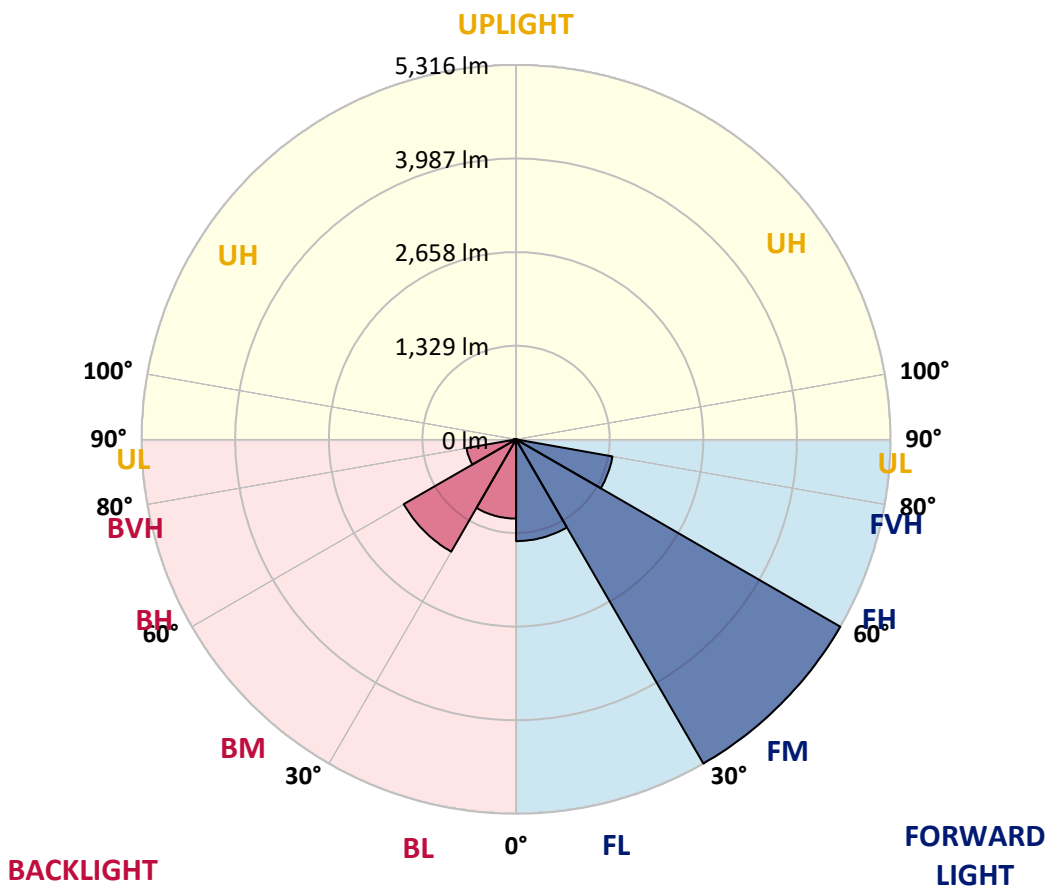
CATALOG NUMBER: GWS-SA3C-740-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1444.5	12.2			
FM (30°-60°)	5315.7	44.7			
FH (60°-80°)	1389.6	11.7			G1/1800
FVH (80°-90°)	16.5	0.1			G1/100
BL (0°-30°)	1124.8	9.5	B3/2500		
BM (30°-60°)	1842.0	15.5	B2/2500		
BH (60°-80°)	715.2	6.0	B2/1000		G2/1000
BVH (80°-90°)	32.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P634785
 CATALOG NUMBER: GWS-SA3C-740-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9
2.5°	3575.9	3585.9	3587.9	3618.9	3620.9	3665.9	3695.9	3689.9	3720.9	3758.9	3788.9
5°	3404.9	3405.9	3415.9	3452.9	3472.9	3531.9	3581.9	3581.9	3641.9	3719.9	3786.9
7.5°	3263.9	3262.9	3271.9	3312.9	3345.9	3416.9	3484.9	3492.9	3576.9	3690.9	3799.9
10°	3132.9	3139.9	3149.9	3199.9	3241.9	3329.9	3410.9	3423.9	3529.9	3670.9	3817.9
12.5°	3048.9	3049.9	3064.9	3120.9	3174.9	3268.9	3353.9	3369.9	3491.9	3651.9	3830.9
15°	2994.9	2995.9	3011.9	3073.9	3136.9	3231.9	3318.9	3336.9	3469.9	3648.9	3855.9
17.5°	2970.9	2969.9	2984.9	3046.9	3115.9	3214.9	3307.9	3329.9	3479.9	3671.9	3899.9
20°	2970.9	2971.9	2979.9	3035.9	3105.9	3210.9	3318.9	3345.9	3518.9	3723.9	3967.9
22.5°	3012.9	3016.9	3020.9	3058.9	3113.9	3216.9	3347.9	3383.9	3602.9	3810.9	4056.9
25°	3094.9	3095.9	3099.9	3130.9	3155.9	3233.9	3395.9	3449.9	3733.9	3937.9	4168.9
27.5°	3204.9	3218.9	3222.9	3242.9	3242.9	3275.9	3470.9	3548.9	3910.9	4120.9	4311.9
30°	3358.9	3363.9	3370.9	3392.9	3368.9	3354.9	3580.9	3680.9	4115.9	4341.9	4483.9
32.5°	3493.9	3504.9	3542.9	3578.9	3535.9	3491.9	3742.9	3860.9	4312.9	4571.9	4666.9
35°	3608.9	3635.9	3708.9	3788.9	3758.9	3714.9	3957.9	4080.9	4474.9	4736.9	4828.9
37.5°	3747.9	3768.9	3868.9	3998.9	4025.9	4004.9	4219.9	4307.9	4582.9	4778.9	4916.9
40°	3888.9	3920.9	4049.9	4229.9	4332.9	4347.9	4461.9	4520.9	4619.9	4696.9	4899.9
42.5°	4032.9	4087.9	4264.9	4474.9	4657.9	4691.9	4665.9	4690.9	4607.9	4583.9	4820.9
45°	4208.9	4273.9	4473.9	4741.9	4982.9	5035.9	4865.9	4842.9	4605.9	4540.9	4771.9
47.5°	4416.9	4481.9	4672.9	4984.9	5292.9	5331.9	5070.9	5028.9	4675.9	4606.9	4837.9
50°	4600.9	4645.9	4816.9	5165.9	5581.9	5604.9	5296.9	5245.9	4849.9	4789.9	5043.9
52.5°	4413.9	4408.9	4588.9	5018.9	5731.9	6008.9	5644.9	5595.9	5185.9	5093.9	5362.9
55°	3744.9	3687.9	3848.9	4271.9	5312.9	6367.9	6268.9	6170.9	5633.9	5399.9	5661.9
57.5°	2737.9	2721.9	2760.9	3157.9	4255.9	5811.9	6650.9	6641.9	6020.9	5679.9	5959.9
60°	2141.0	2117.0	2013.0	2024.0	2900.9	4539.9	5771.9	6036.9	6260.9	5847.9	6167.9
62.5°	1901.0	1883.0	1829.0	1680.0	1728.0	3043.9	4230.9	4473.9	5470.9	5164.9	5297.9
65°	1574.0	1569.0	1614.0	1608.0	1448.0	1681.0	2388.0	2632.9	3439.9	3482.9	3439.9
67.5°	1144.0	1135.0	1249.0	1474.0	1394.0	1269.0	1331.0	1416.0	1764.0	1584.0	1426.0
70°	744.0	731.0	797.0	1065.0	1248.0	1106.0	959.0	945.0	970.0	603.0	652.0
72.5°	499.0	484.0	483.0	586.0	754.0	745.0	743.0	736.0	657.0	476.0	528.0
75°	278.0	266.0	263.0	253.0	270.0	275.0	293.0	303.0	328.0	361.0	400.0
77.5°	47.0	46.0	58.0	74.0	102.0	131.0	162.0	171.0	211.0	250.0	275.0
80°	26.0	27.0	35.0	43.0	57.0	78.0	100.0	106.0	130.0	151.0	171.0
82.5°	14.0	14.0	18.0	23.0	31.0	41.0	54.0	59.0	75.0	88.0	102.0
85°	5.0	5.0	7.0	9.0	13.0	17.0	21.0	24.0	33.0	45.0	51.0
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	4.0	4.0	5.0	9.0	13.0
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: P634785

CATALOG NUMBER: GWS-SA3C-740-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9	3793.9
2.5°	3813.9	3786.9	3823.9	3840.9	3846.9	3850.9	3824.9	3806.9	3800.9	3781.9	3770.9
5°	3827.9	3809.9	3844.9	3844.9	3819.9	3793.9	3740.9	3703.9	3677.9	3646.9	3641.9
7.5°	3851.9	3838.9	3857.9	3818.9	3755.9	3685.9	3593.9	3521.9	3463.9	3425.9	3426.9
10°	3883.9	3867.9	3852.9	3765.9	3650.9	3521.9	3380.9	3275.9	3179.9	3135.9	3111.9
12.5°	3904.9	3881.9	3818.9	3674.9	3505.9	3332.9	3133.9	2977.9	2838.9	2775.9	2770.9
15°	3930.9	3888.9	3762.9	3556.9	3321.9	3085.9	2829.9	2612.9	2425.0	2327.0	2322.0
17.5°	3964.9	3895.9	3695.9	3421.9	3127.9	2779.9	2458.0	2185.0	1985.0	1909.0	1922.0
20°	4012.9	3903.9	3619.9	3271.9	2886.9	2432.0	2031.0	1780.0	1703.0	1698.0	1688.0
22.5°	4066.9	3908.9	3535.9	3103.9	2594.9	2061.0	1678.0	1571.0	1570.0	1595.0	1601.0
25°	4127.9	3912.9	3440.9	2907.9	2279.0	1691.0	1484.0	1452.0	1477.0	1524.0	1530.0
27.5°	4205.9	3920.9	3325.9	2692.9	1943.0	1461.0	1377.0	1369.0	1399.0	1443.0	1441.0
30°	4320.9	3949.9	3203.9	2446.0	1598.0	1352.0	1312.0	1313.0	1325.0	1346.0	1349.0
32.5°	4437.9	3994.9	3084.9	2168.0	1400.0	1290.0	1272.0	1270.0	1270.0	1279.0	1281.0
35°	4548.9	4045.9	2955.9	1878.0	1304.0	1254.0	1242.0	1236.0	1233.0	1231.0	1228.0
37.5°	4610.9	4070.9	2829.9	1592.0	1253.0	1230.0	1218.0	1210.0	1199.0	1191.0	1189.0
40°	4583.9	4041.9	2683.9	1378.0	1222.0	1207.0	1193.0	1182.0	1167.0	1160.0	1156.0
42.5°	4493.9	3951.9	2524.9	1277.0	1197.0	1182.0	1165.0	1147.0	1137.0	1131.0	1130.0
45°	4398.9	3842.9	2333.0	1218.0	1173.0	1155.0	1135.0	1115.0	1104.0	1101.0	1100.0
47.5°	4395.9	3788.9	2129.0	1171.0	1144.0	1126.0	1101.0	1081.0	1069.0	1065.0	1061.0
50°	4527.9	3843.9	1899.0	1130.0	1114.0	1095.0	1067.0	1045.0	1030.0	1025.0	1024.0
52.5°	4801.9	4050.9	1693.0	1089.0	1074.0	1052.0	1029.0	1007.0	989.0	980.0	979.0
55°	5097.9	4313.9	1565.0	1047.0	1027.0	1008.0	987.0	963.0	943.0	929.0	927.0
57.5°	5403.9	4600.9	1526.0	994.0	979.0	966.0	941.0	915.0	892.0	879.0	876.0
60°	5655.9	4847.9	1599.0	938.0	930.0	913.0	890.0	865.0	849.0	839.0	837.0
62.5°	4734.9	3946.9	1291.0	877.0	877.0	859.0	833.0	815.0	804.0	797.0	795.0
65°	3004.9	2444.0	881.0	816.0	815.0	791.0	769.0	757.0	752.0	741.0	739.0
67.5°	1309.0	1117.0	753.0	754.0	750.0	724.0	702.0	693.0	683.0	671.0	670.0
70°	679.0	692.0	674.0	685.0	678.0	647.0	626.0	612.0	591.0	579.0	580.0
72.5°	548.0	562.0	582.0	599.0	584.0	559.0	526.0	509.0	482.0	469.0	470.0
75°	418.0	433.0	452.0	470.0	458.0	427.0	406.0	389.0	358.0	343.0	346.0
77.5°	288.0	296.0	319.0	318.0	314.0	305.0	274.0	254.0	222.0	204.0	206.0
80°	179.0	184.0	195.0	200.0	198.0	186.0	161.0	146.0	127.0	116.0	117.0
82.5°	108.0	111.0	121.0	122.0	121.0	112.0	93.0	82.0	70.0	64.0	64.0
85°	55.0	57.0	63.0	63.0	57.0	48.0	43.0	38.0	31.0	28.0	28.0
87.5°	15.0	15.0	19.0	16.0	13.0	12.0	6.0	5.0	2.0	1.0	1.0
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)