

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: P634778

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE 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: 12655 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

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

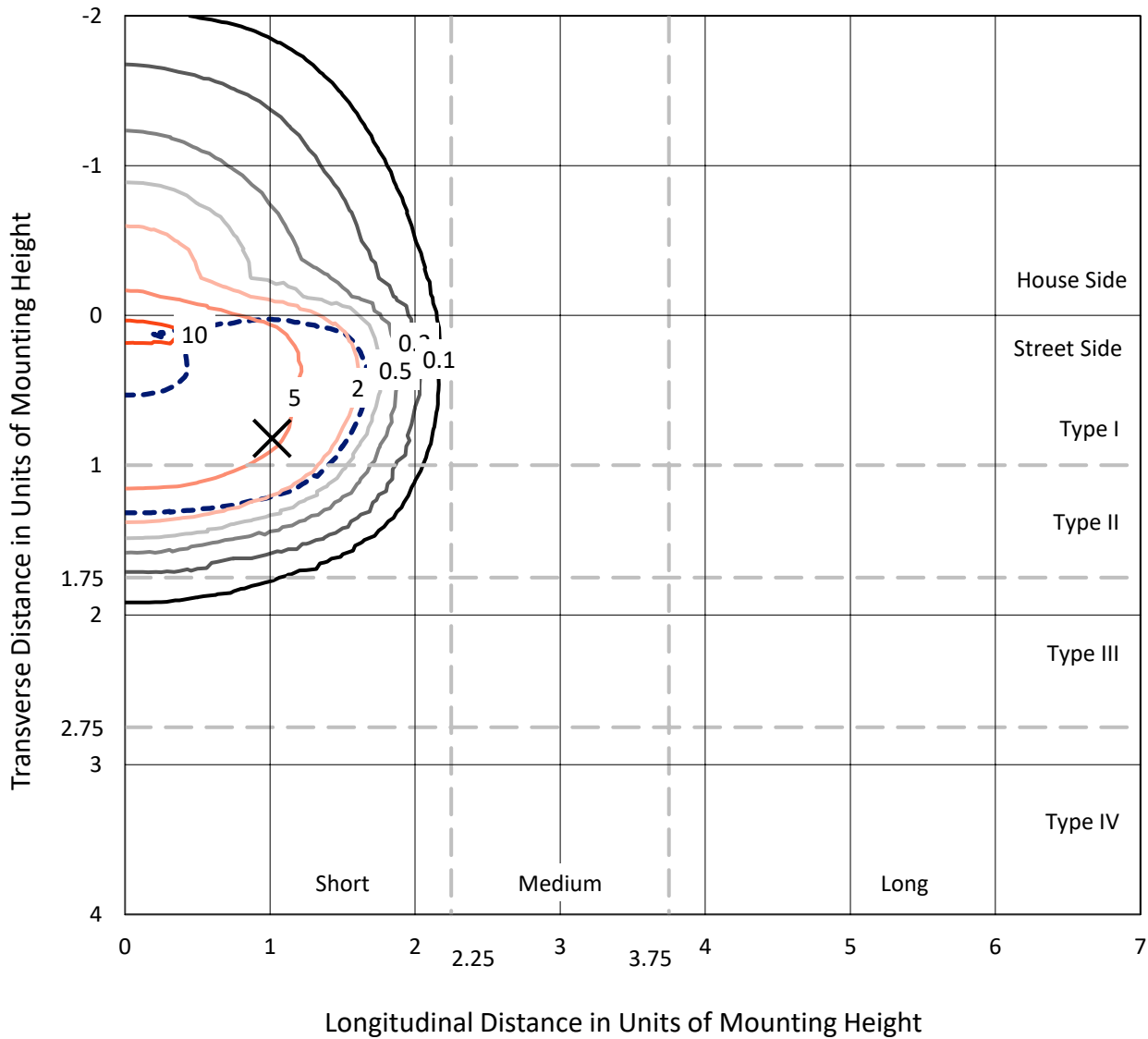


REPORT NUMBER: P634778

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

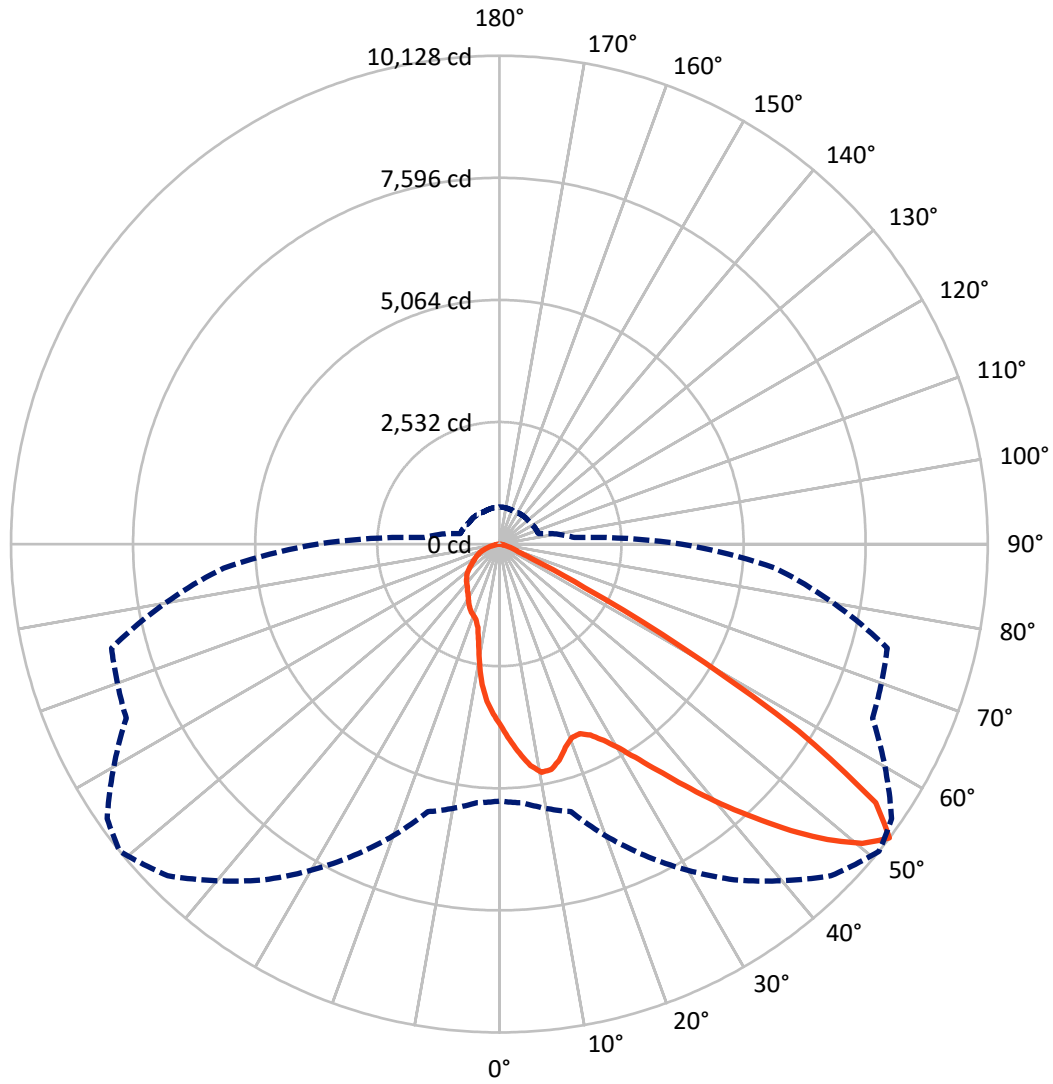


Based on 20 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Short - N/A

REPORT NUMBER: P634778

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

Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P634778

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2465.7	0.0	2465.7
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	10189.3	0.0	10189.3
	% Fixture	80.5	0.0	80.5
Total	Lumens	12655.0	0.0	12655.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.6	2.8
10°-20°	913.6	7.2
20°-30°	1485.5	11.7
30°-40°	2354.1	18.6
40°-50°	3550.6	28.1
50°-60°	3071.5	24.3
60°-70°	696.3	5.5
70°-80°	205.3	1.6
80°-90°	26.4	0.2
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°	12655.0	100.0
0°-180°	12655.0	100.0

Coefficient of Utilization



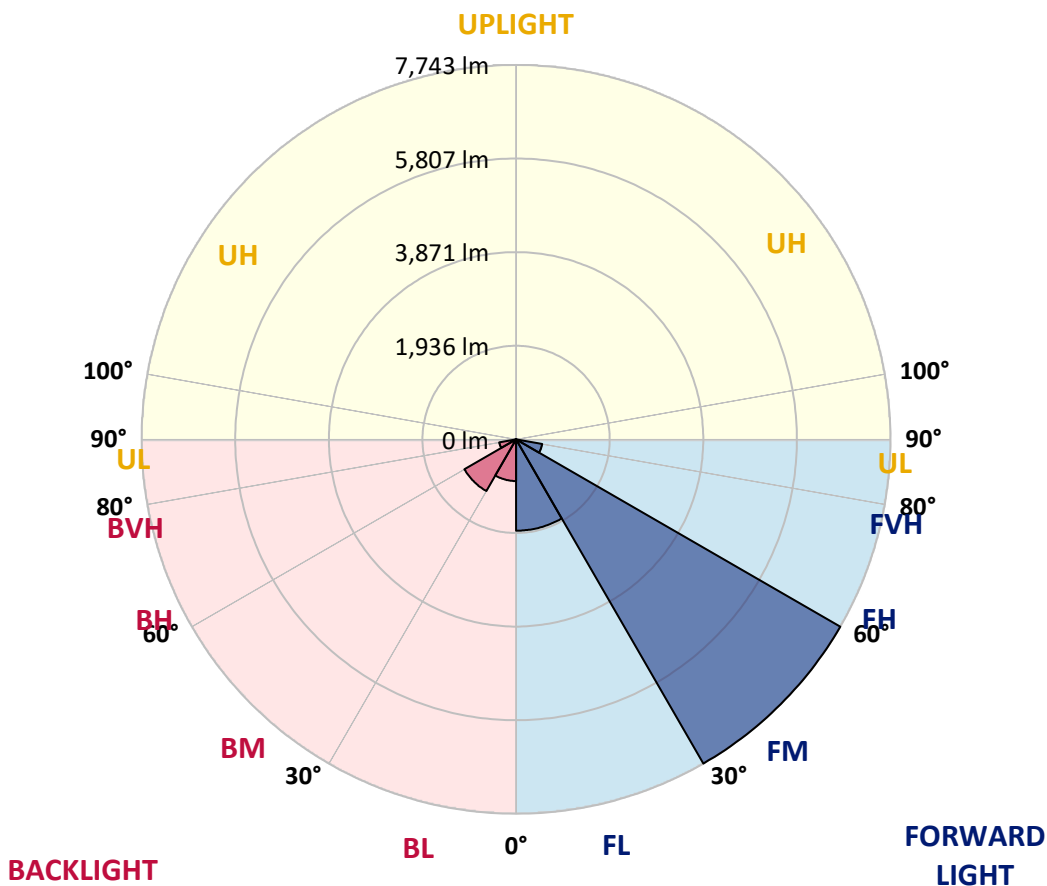
REPORT NUMBER: P634778

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

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1888.8	14.9			
FM (30°-60°)	7742.5	61.2			
FH (60°-80°)	548.0	4.3			G0/660
FVH (80°-90°)	10.0	0.1			G0/10
BL (0°-30°)	861.9	6.8	B2/1000		
BM (30°-60°)	1233.7	9.7	B2/2500		
BH (60°-80°)	353.6	2.8	B1/500		G1/500
BVH (80°-90°)	16.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P634778

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0
2.5°	4199.0	4223.0	4186.0	4172.0	4149.0	4109.0	4063.0	4050.0	3951.0	3886.0	3813.0
5°	4621.0	4634.0	4604.0	4574.0	4517.0	4446.0	4357.0	4338.0	4158.0	4009.0	3854.0
7.5°	4715.0	4710.0	4736.0	4753.0	4746.0	4718.0	4639.0	4602.0	4387.0	4151.0	3922.0
10°	4343.0	4315.0	4411.0	4525.0	4662.0	4820.0	4811.0	4808.0	4621.0	4342.0	4009.0
12.5°	3850.0	3836.0	3914.0	4057.0	4316.0	4666.0	4797.0	4899.0	4832.0	4524.0	4106.0
15°	3568.0	3563.0	3616.0	3719.0	3925.0	4367.0	4647.0	4849.0	5013.0	4719.0	4209.0
17.5°	3517.0	3520.0	3538.0	3597.0	3745.0	4109.0	4433.0	4715.0	5154.0	4933.0	4338.0
20°	3666.0	3686.0	3655.0	3664.0	3744.0	4016.0	4287.0	4580.0	5244.0	5148.0	4477.0
22.5°	3997.0	3990.0	3922.0	3882.0	3883.0	4073.0	4271.0	4517.0	5303.0	5357.0	4603.0
25°	4372.0	4364.0	4283.0	4194.0	4138.0	4228.0	4386.0	4584.0	5356.0	5548.0	4704.0
27.5°	4815.0	4790.0	4700.0	4586.0	4462.0	4501.0	4608.0	4765.0	5438.0	5736.0	4771.0
30°	5244.0	5273.0	5144.0	5009.0	4878.0	4854.0	4916.0	5058.0	5605.0	5956.0	4851.0
32.5°	5813.0	5803.0	5660.0	5484.0	5297.0	5279.0	5328.0	5458.0	5905.0	6260.0	4973.0
35°	6502.0	6504.0	6301.0	6063.0	5797.0	5749.0	5831.0	5957.0	6352.0	6672.0	5166.0
37.5°	7218.0	7215.0	7038.0	6768.0	6405.0	6337.0	6431.0	6525.0	6911.0	7233.0	5466.0
40°	7720.1	7740.1	7657.1	7515.0	7171.0	7005.0	7088.0	7153.0	7519.0	7893.1	5861.0
42.5°	8005.1	8035.1	8053.1	8138.1	7957.1	7780.1	7750.1	7784.1	8062.1	8506.1	6232.0
45°	8066.1	8106.1	8237.1	8552.1	8622.1	8572.1	8474.1	8392.1	8467.1	8941.1	6475.0
47.5°	7797.1	7867.1	8147.1	8698.1	9107.1	9264.1	9155.1	9030.1	8701.1	9053.1	6450.0
50°	6731.0	6813.0	7444.0	8400.1	9176.1	9748.1	9758.1	9573.1	8673.1	8730.1	6136.0
52.5°	5329.0	5385.0	5746.0	7121.0	8499.1	9728.1	10128.1	9930.1	8538.1	8326.1	5743.0
55°	3185.0	3275.0	3612.0	4698.0	6621.0	8622.1	9474.1	9570.1	8472.1	7987.1	5475.0
57.5°	1075.0	1119.0	1441.0	2075.0	3902.0	6313.0	7320.0	7710.1	7691.1	7469.0	4952.0
60°	512.0	522.0	587.0	787.0	1562.0	3299.0	4333.0	4783.0	5193.0	5234.0	3081.0
62.5°	390.0	396.0	429.0	472.0	628.0	1390.0	1986.0	2330.0	2489.0	2136.0	1122.0
65°	326.0	331.0	356.0	383.0	427.0	602.0	762.0	879.0	792.0	617.0	535.0
67.5°	272.0	276.0	295.0	324.0	354.0	403.0	423.0	435.0	456.0	512.0	492.0
70°	213.0	217.0	237.0	262.0	291.0	303.0	322.0	334.0	376.0	448.0	446.0
72.5°	164.0	169.0	180.0	196.0	220.0	232.0	253.0	267.0	291.0	349.0	373.0
75°	120.0	123.0	133.0	138.0	141.0	138.0	159.0	175.0	207.0	229.0	235.0
77.5°	49.0	55.0	53.0	53.0	63.0	76.0	87.0	97.0	119.0	132.0	133.0
80°	20.0	22.0	26.0	29.0	35.0	45.0	52.0	56.0	66.0	74.0	80.0
82.5°	12.0	13.0	15.0	16.0	20.0	26.0	30.0	33.0	41.0	49.0	52.0
85°	6.0	6.0	7.0	8.0	10.0	12.0	14.0	16.0	21.0	26.0	29.0
87.5°	1.0	1.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	10.0
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: P634778

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0	3768.0
2.5°	3770.0	3716.0	3653.0	3603.0	3545.0	3502.0	3441.0	3403.0	3367.0	3337.0	3315.0
5°	3774.0	3683.0	3552.0	3436.0	3316.0	3202.0	3085.0	2990.0	2905.0	2834.0	2828.0
7.5°	3797.0	3666.0	3461.0	3258.0	3024.0	2798.0	2572.0	2388.0	2248.0	2175.0	2160.0
10°	3836.0	3664.0	3368.0	3044.0	2645.0	2281.0	2013.0	1873.0	1792.0	1763.0	1753.0
12.5°	3877.0	3659.0	3249.0	2742.0	2188.0	1869.0	1722.0	1705.0	1720.0	1722.0	1721.0
15°	3927.0	3656.0	3099.0	2388.0	1854.0	1678.0	1688.0	1724.0	1759.0	1767.0	1767.0
17.5°	3988.0	3649.0	2895.0	2042.0	1645.0	1641.0	1694.0	1742.0	1775.0	1781.0	1781.0
20°	4052.0	3631.0	2644.0	1760.0	1560.0	1618.0	1675.0	1712.0	1735.0	1743.0	1744.0
22.5°	4096.0	3583.0	2355.0	1551.0	1507.0	1574.0	1615.0	1653.0	1653.0	1633.0	1627.0
25°	4105.0	3480.0	2042.0	1408.0	1444.0	1506.0	1548.0	1526.0	1485.0	1469.0	1468.0
27.5°	4072.0	3330.0	1733.0	1306.0	1368.0	1430.0	1423.0	1391.0	1373.0	1357.0	1363.0
30°	4032.0	3150.0	1465.0	1222.0	1280.0	1341.0	1317.0	1306.0	1293.0	1275.0	1279.0
32.5°	4005.0	2949.0	1259.0	1157.0	1221.0	1231.0	1248.0	1247.0	1235.0	1201.0	1199.0
35°	4013.0	2746.0	1121.0	1104.0	1172.0	1168.0	1200.0	1194.0	1111.0	1064.0	1061.0
37.5°	4077.0	2551.0	1040.0	1062.0	1094.0	1119.0	1147.0	1075.0	1046.0	1016.0	1018.0
40°	4199.0	2370.0	996.0	1039.0	1047.0	1084.0	1019.0	1018.0	1005.0	978.0	977.0
42.5°	4337.0	2217.0	966.0	1028.0	1017.0	1024.0	955.0	963.0	962.0	945.0	940.0
45°	4421.0	2076.0	942.0	987.0	990.0	920.0	899.0	908.0	913.0	904.0	903.0
47.5°	4334.0	1914.0	917.0	924.0	950.0	873.0	847.0	848.0	857.0	858.0	854.0
50°	4090.0	1733.0	887.0	870.0	853.0	824.0	800.0	795.0	804.0	813.0	816.0
52.5°	3775.0	1560.0	837.0	811.0	771.0	771.0	760.0	744.0	756.0	768.0	772.0
55°	3544.0	1432.0	766.0	737.0	693.0	708.0	706.0	692.0	708.0	717.0	720.0
57.5°	3071.0	1151.0	674.0	665.0	628.0	646.0	650.0	632.0	624.0	626.0	629.0
60°	1823.0	743.0	608.0	607.0	574.0	595.0	607.0	589.0	565.0	568.0	572.0
62.5°	818.0	568.0	525.0	521.0	520.0	547.0	560.0	543.0	509.0	512.0	516.0
65°	515.0	491.0	456.0	456.0	472.0	495.0	505.0	491.0	452.0	447.0	451.0
67.5°	478.0	457.0	421.0	414.0	422.0	441.0	442.0	415.0	392.0	388.0	388.0
70°	429.0	413.0	378.0	364.0	361.0	360.0	357.0	350.0	335.0	331.0	333.0
72.5°	355.0	344.0	322.0	307.0	299.0	298.0	286.0	280.0	267.0	265.0	264.0
75°	235.0	238.0	238.0	236.0	229.0	226.0	213.0	207.0	192.0	186.0	185.0
77.5°	139.0	142.0	146.0	147.0	146.0	146.0	134.0	127.0	112.0	104.0	102.0
80°	85.0	87.0	89.0	92.0	88.0	85.0	74.0	67.0	60.0	55.0	54.0
82.5°	55.0	57.0	58.0	60.0	58.0	54.0	45.0	41.0	36.0	32.0	31.0
85°	31.0	32.0	34.0	34.0	31.0	28.0	23.0	20.0	17.0	15.0	15.0
87.5°	11.0	11.0	11.0	12.0	10.0	9.0	6.0	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)