

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: P640314

Luminaire Tested: GWS-SA5D-750-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640314  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5D-750-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

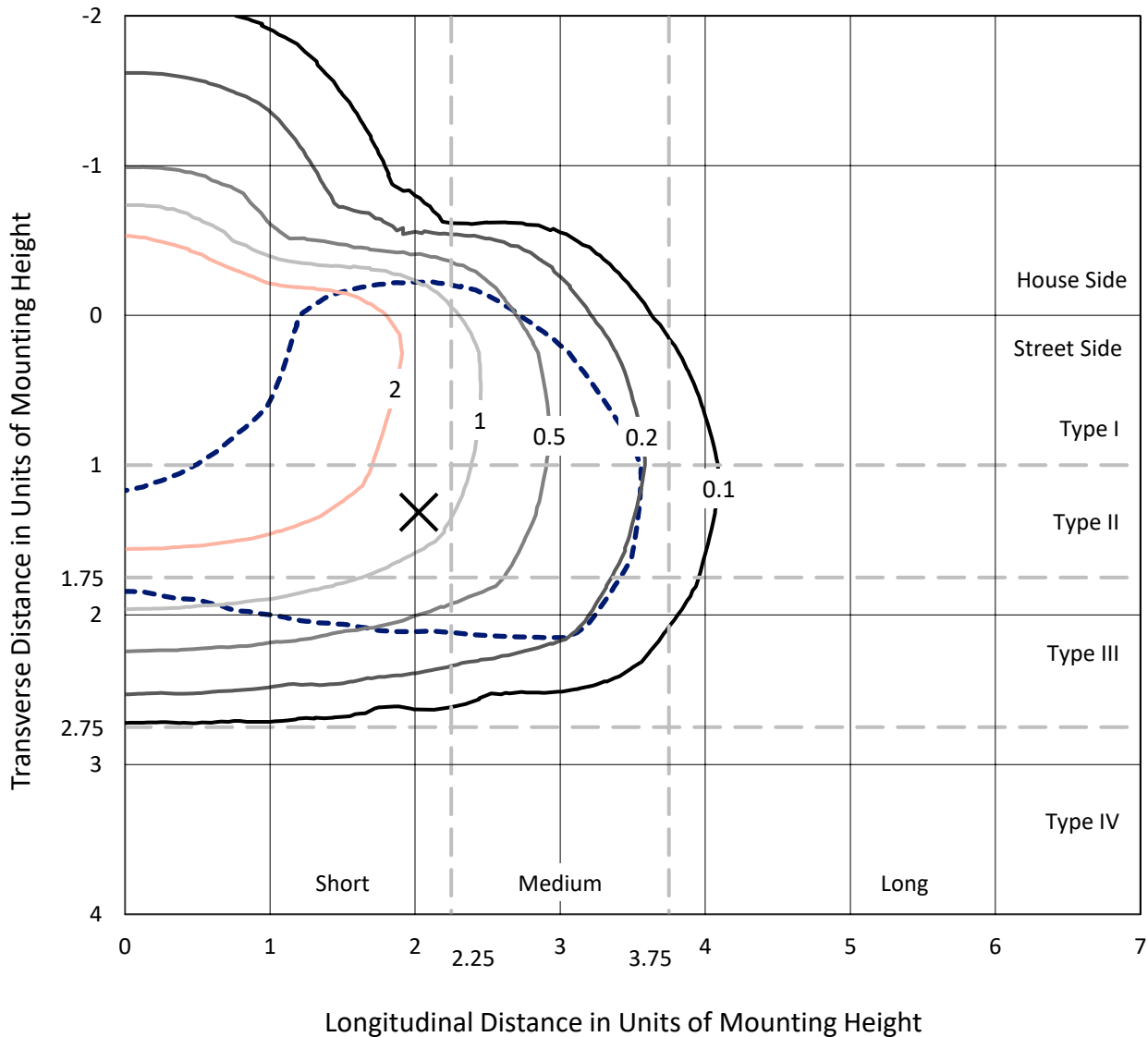
Lumens per Lamp: N/A  
Luminaire Lumens: 30750.2 lumens  
Efficiency: N/A  
Efficacy: 150.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 204.6  
Input Voltage (V): 120  
Input Current (Ain): 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

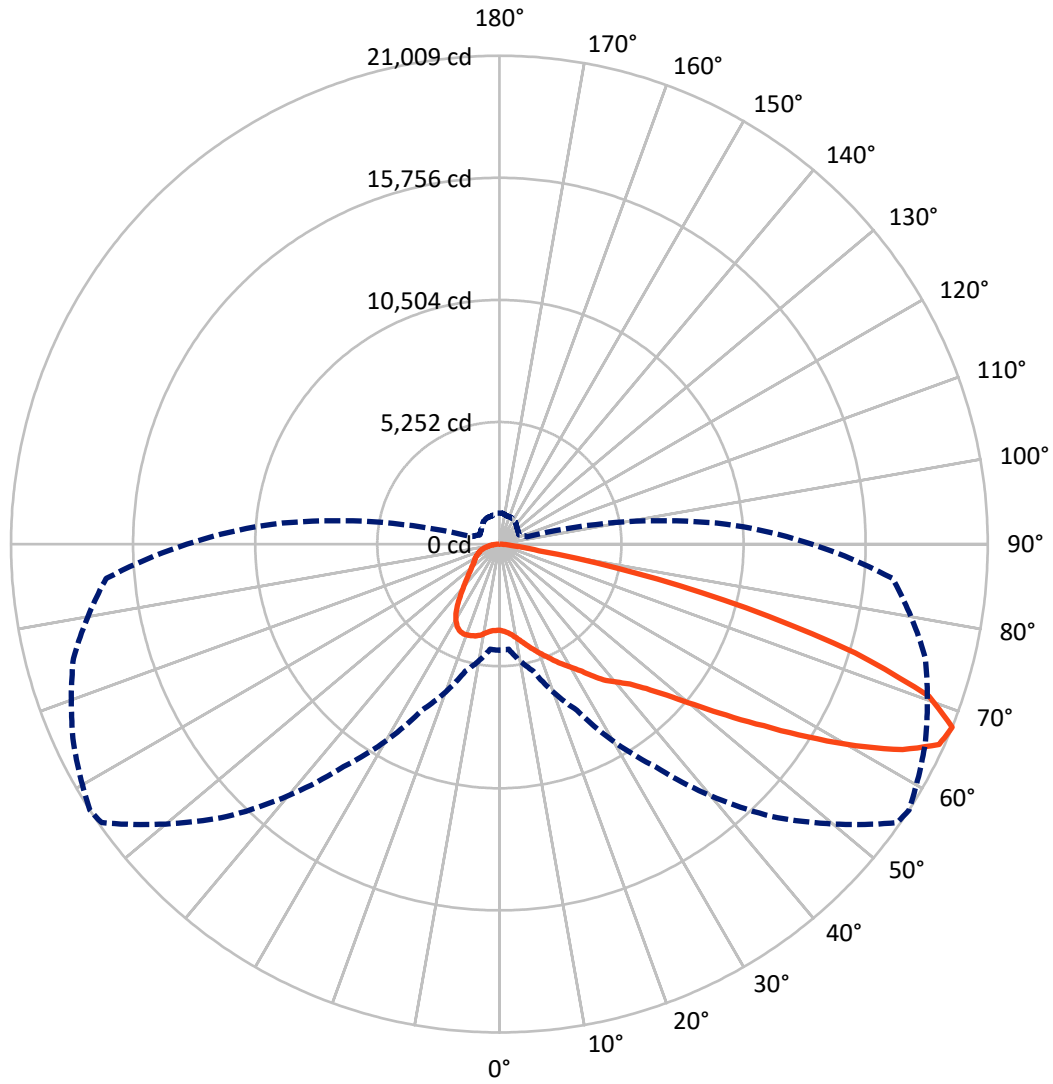
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6760.8	0.0	6760.8
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	23989.4	0.0	23989.4
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	30750.2	0.0	30750.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.5	1.2
10°-20°	1216.5	4.0
20°-30°	2168.9	7.1
30°-40°	3153.2	10.3
40°-50°	4563.8	14.8
50°-60°	7142.2	23.2
60°-70°	8331.8	27.1
70°-80°	3478.1	11.3
80°-90°	328.2	1.1
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°	30750.2	100.0
0°-180°	30750.2	100.0

**Coefficient of Utilization**



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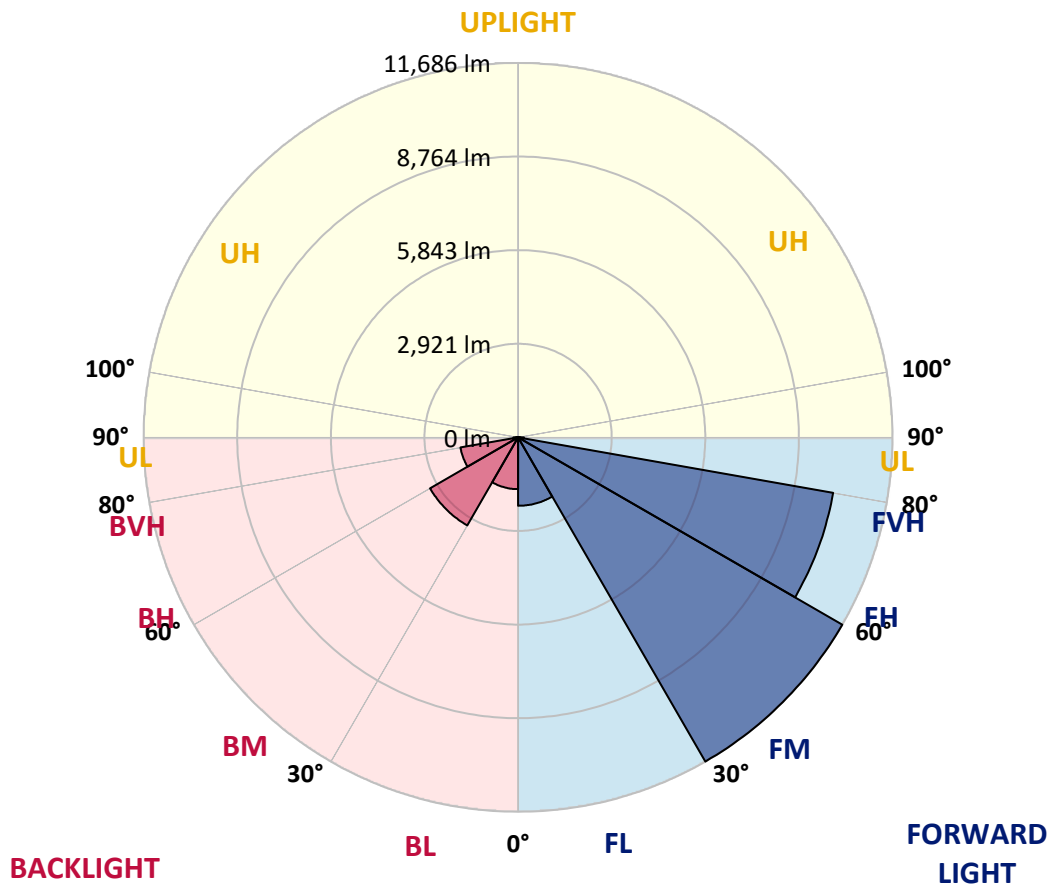
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2135.9	6.9			
FM (30°-60°)	11685.5	38.0			
FH (60°-80°)	9985.1	32.5			G4/12000
FVH (80°-90°)	182.9	0.6			G2/225
BL (0°-30°)	1617.0	5.3	B3/2500		
BM (30°-60°)	3173.7	10.3	B3/5000		
BH (60°-80°)	1824.8	5.9	B3/2500		G3/2500
BVH (80°-90°)	145.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2
2.5°	3758.1	3753.7	3751.4	3764.7	3760.3	3758.1	3758.1	3755.9	3751.4	3733.8	3709.6
5°	3861.6	3852.8	3844.0	3855.0	3846.2	3837.4	3835.2	3830.8	3815.3	3788.9	3751.4
7.5°	3969.5	3960.7	3962.9	3969.5	3962.9	3958.5	3951.9	3947.5	3923.3	3881.4	3830.8
10°	4121.5	4121.5	4125.9	4132.5	4134.7	4128.1	4114.9	4108.3	4079.7	4026.8	3956.3
12.5°	4341.8	4337.4	4337.4	4333.0	4339.6	4333.0	4319.8	4308.8	4273.5	4205.2	4103.9
15°	4632.6	4615.0	4599.5	4570.9	4562.1	4537.9	4542.3	4535.7	4502.6	4410.1	4282.3
17.5°	4943.2	4941.0	4916.8	4859.5	4802.2	4762.6	4771.4	4769.2	4751.5	4626.0	4463.0
20°	5216.3	5227.4	5205.3	5161.3	5084.2	5009.3	5004.9	5015.9	4993.9	4868.3	4641.4
22.5°	5522.5	5513.7	5491.7	5434.4	5377.2	5297.8	5271.4	5262.6	5253.8	5110.6	4824.2
25°	5813.3	5839.7	5811.1	5758.2	5670.1	5584.2	5562.2	5571.0	5546.8	5357.3	5020.3
27.5°	6181.2	6192.2	6174.6	6101.9	6027.0	5905.8	5864.0	5864.0	5855.2	5588.6	5174.5
30°	6573.3	6604.1	6573.3	6513.8	6436.7	6262.7	6172.4	6163.6	6137.1	5826.5	5355.1
32.5°	6967.6	6989.6	6967.6	6910.3	6822.2	6670.2	6540.3	6520.4	6485.2	6086.5	5540.2
35°	7317.9	7337.7	7333.3	7346.5	7273.8	7082.2	7002.9	6994.0	6901.5	6425.7	5791.3
37.5°	7701.2	7725.4	7692.3	7718.8	7690.1	7509.5	7485.3	7441.2	7309.0	6745.1	6055.6
40°	8137.3	8159.3	8106.5	8117.5	8084.5	7983.1	7859.8	7800.3	7604.2	7091.0	6472.0
42.5°	8604.3	8655.0	8679.2	8659.4	8582.3	8525.0	8309.1	8234.2	8071.2	7714.4	7157.1
45°	9280.6	9355.5	9390.7	9340.1	9307.0	9225.5	8961.2	8870.9	8785.0	8593.3	8113.1
47.5°	10009.7	10078.0	10190.4	10212.4	10238.8	10177.2	9804.9	9716.8	9732.2	9710.2	9289.4
50°	10591.3	10648.6	10901.9	11172.8	11397.5	11415.2	10939.3	10844.6	10928.3	10998.8	10705.8
52.5°	11014.2	11064.9	11399.7	11959.3	12468.1	12844.8	12331.5	12223.6	12291.9	12450.5	12316.1
55°	11357.9	11428.4	11778.6	12637.7	13666.5	14261.2	13933.0	13796.4	13767.8	13963.9	14041.0
57.5°	11538.5	11560.5	12051.8	13168.6	14545.4	15651.2	15794.4	15640.2	15367.1	15475.0	15875.9
60°	11126.6	11164.0	11835.9	13305.2	15239.3	17030.2	17748.3	17620.6	17039.0	17098.5	17541.3
62.5°	9987.7	10040.6	10849.0	12655.4	15296.6	17951.0	19552.5	19471.0	18691.2	18369.5	18501.7
65°	8011.8	8029.4	8866.5	11047.3	14157.7	18065.6	20810.3	20790.5	19845.5	19092.1	18525.9
67.5°	4568.7	4537.9	5656.9	7879.6	11683.9	16576.4	20891.8	21008.6	20219.9	18973.1	16984.0
70°	1980.4	1984.8	2500.2	3888.0	7562.4	13397.7	19404.9	19605.3	19136.1	16992.8	13512.3
72.5°	916.4	929.6	1152.1	1683.0	3229.4	8311.3	15823.1	16003.7	15600.6	13600.4	9831.3
75°	647.6	658.7	768.8	964.8	1484.7	3238.2	10584.7	10963.6	11159.6	10172.8	6478.6
77.5°	491.2	506.7	561.7	669.7	916.4	1147.7	5064.3	5967.5	7108.6	6328.8	3337.3
80°	312.8	312.8	372.3	447.2	559.5	597.0	1462.7	1733.6	3478.3	2608.2	1310.7
82.5°	211.5	218.1	253.3	284.2	321.6	339.2	627.8	669.7	1004.5	887.7	539.7
85°	112.3	116.8	132.2	130.0	154.2	134.4	264.3	262.1	367.9	403.1	204.9
87.5°	0.0	0.0	2.2	2.2	4.4	6.6	28.6	30.8	77.1	123.4	68.3
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°	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2	3705.2
2.5°	3722.8	3696.4	3709.6	3705.2	3718.4	3718.4	3694.2	3687.6	3689.8	3663.3	3654.5
5°	3755.9	3725.0	3731.6	3722.8	3736.0	3747.0	3736.0	3736.0	3749.2	3729.4	3718.4
7.5°	3830.8	3795.5	3795.5	3784.5	3799.9	3808.7	3799.9	3813.1	3837.4	3817.5	3806.5
10°	3949.7	3907.9	3910.1	3896.8	3903.4	3899.0	3863.8	3852.8	3859.4	3841.8	3833.0
12.5°	4103.9	4046.6	4046.6	4020.2	4004.8	3958.5	3885.8	3859.4	3863.8	3848.4	3841.8
15°	4251.5	4198.6	4187.6	4134.7	4064.3	3978.3	3912.3	3894.6	3899.0	3883.6	3872.6
17.5°	4425.5	4357.2	4317.6	4220.7	4090.7	4002.6	3936.5	3894.6	3859.4	3824.1	3815.3
20°	4586.3	4500.4	4427.7	4277.9	4119.3	3998.2	3874.8	3771.3	3685.4	3639.1	3628.1
22.5°	4751.5	4641.4	4513.6	4317.6	4117.1	3918.9	3692.0	3535.6	3407.8	3339.5	3352.7
25°	4907.9	4769.2	4595.1	4355.0	4046.6	3742.6	3434.2	3200.7	3055.3	3002.5	2987.1
27.5°	5037.9	4866.1	4670.0	4337.4	3901.2	3489.3	3081.8	2821.8	2680.9	2621.4	2606.0
30°	5183.3	4989.4	4778.0	4255.9	3672.1	3134.7	2683.1	2471.6	2370.3	2313.0	2315.2
32.5°	5350.7	5148.1	4930.0	4099.5	3379.2	2751.4	2354.8	2209.5	2128.0	2070.7	2061.9
35°	5575.4	5374.9	5031.3	3863.8	3006.9	2398.9	2130.2	2011.2	1909.9	1835.0	1819.6
37.5°	5853.0	5716.4	5042.3	3548.8	2608.2	2156.6	1969.3	1841.6	1718.2	1619.1	1608.1
40°	6328.8	6172.4	4952.0	3154.5	2268.9	2000.2	1835.0	1687.4	1544.2	1434.1	1418.6
42.5°	7007.3	6685.6	4758.2	2709.5	2013.4	1876.8	1707.2	1520.0	1374.6	1297.5	1286.5
45°	7870.8	7258.4	4467.4	2291.0	1824.0	1755.7	1572.8	1376.8	1299.7	1244.6	1233.6
47.5°	8928.1	7925.8	4132.5	1964.9	1676.4	1645.5	1436.3	1328.3	1260.0	1213.8	1202.8
50°	10192.6	8776.1	3857.2	1709.4	1544.2	1517.8	1392.2	1299.7	1244.6	1207.2	1198.3
52.5°	11635.4	9721.2	3722.8	1526.6	1429.6	1403.2	1376.8	1293.1	1246.8	1218.2	1207.2
55°	13133.4	10716.9	3597.3	1385.6	1332.7	1348.1	1379.0	1315.1	1279.9	1242.4	1231.4
57.5°	14580.6	11650.9	3288.9	1275.4	1262.2	1321.7	1390.0	1337.1	1295.3	1257.8	1244.6
60°	15578.5	12161.9	2766.8	1187.3	1209.4	1288.7	1361.4	1304.1	1251.2	1235.8	1229.2
62.5°	15847.3	12100.2	2147.8	1097.0	1145.5	1216.0	1286.5	1249.0	1193.9	1218.2	1220.4
65°	15219.5	11439.4	1612.5	1008.9	1061.8	1121.2	1209.4	1193.9	1174.1	1240.2	1242.4
67.5°	13441.8	9815.9	1229.2	931.8	975.9	1048.6	1185.1	1249.0	1253.4	1337.1	1328.3
70°	10170.5	7333.3	962.6	859.1	909.8	1048.6	1262.2	1290.9	1238.0	1315.1	1297.5
72.5°	7031.5	4839.7	819.5	795.2	828.3	1000.1	1260.0	1260.0	1202.8	1202.8	1169.7
75°	4368.2	2846.1	713.7	713.7	713.7	874.5	1224.8	1160.9	1059.6	1013.3	986.9
77.5°	2156.6	1383.4	599.2	621.2	597.0	731.3	1000.1	949.4	887.7	839.3	821.7
80°	920.8	691.7	484.6	508.9	480.2	550.7	793.0	782.0	722.5	658.7	638.8
82.5°	422.9	356.9	387.7	398.7	350.3	414.1	579.3	579.3	546.3	458.2	425.1
85°	180.6	189.4	268.7	268.7	220.3	233.5	310.6	295.2	264.3	215.9	198.3
87.5°	61.7	92.5	136.6	119.0	46.3	19.8	11.0	4.4	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)