

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: P634364

Luminaire Tested: GWS-SA3B-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634364  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-750-U-T2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

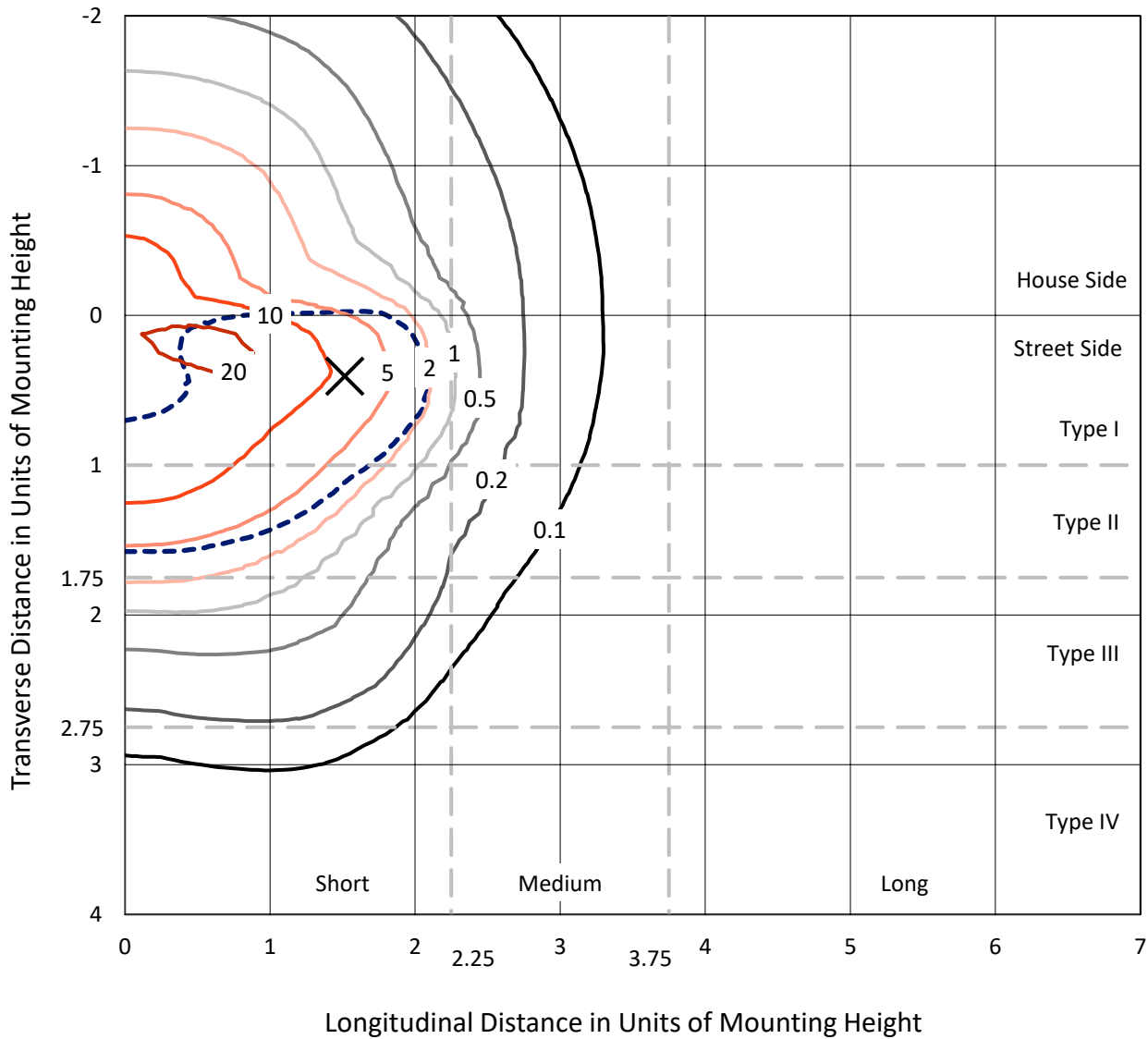
Lumens per Lamp: N/A  
Luminaire Lumens: 8870.6 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

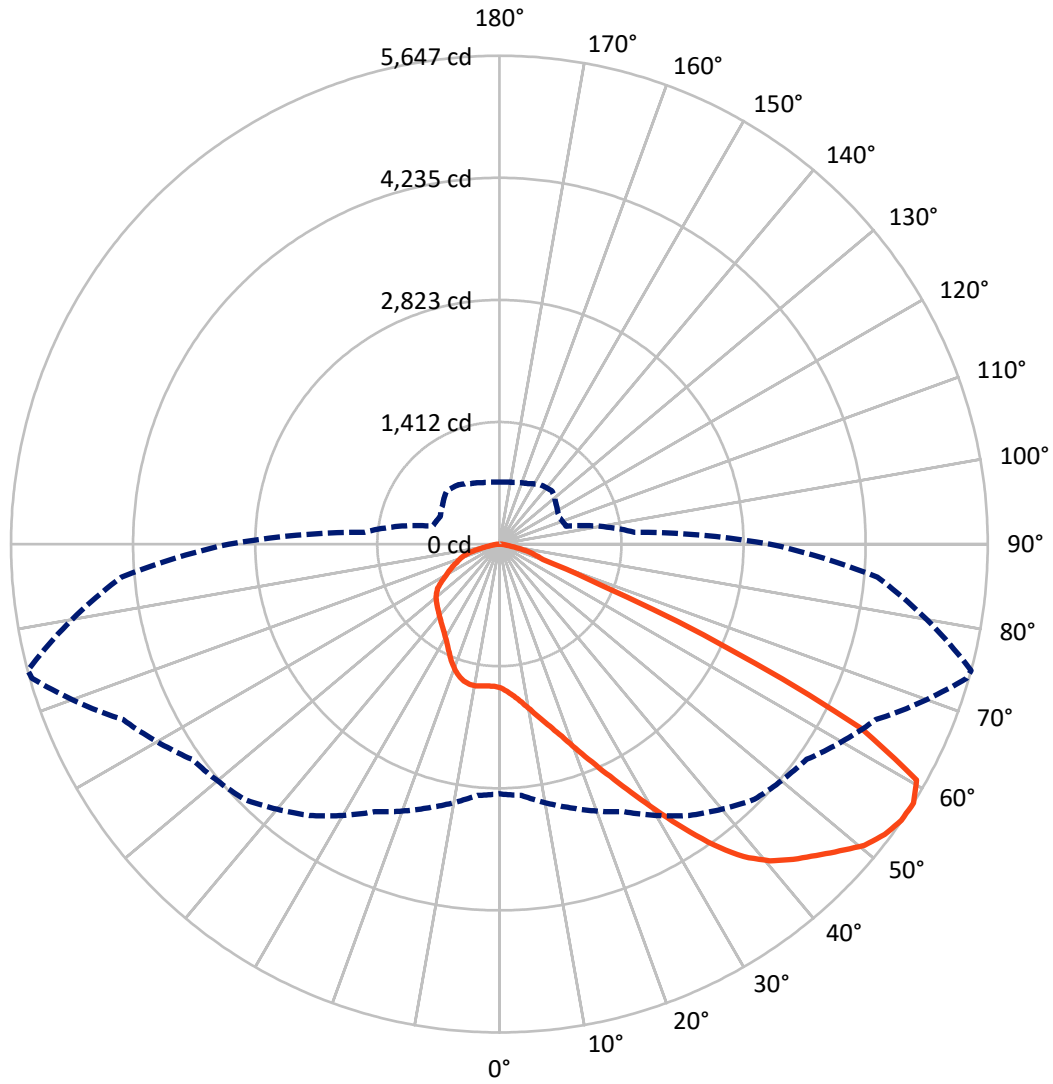
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2399.7	0.0	2399.7
	% Fixture	27.1	0.0	27.1
<b>Street Side</b>	Lumens	6470.9	0.0	6470.9
	% Fixture	72.9	0.0	72.9
<b>Total</b>	Lumens	8870.6	0.0	8870.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.2	1.9
10°-20°	529.3	6.0
20°-30°	938.7	10.6
30°-40°	1436.9	16.2
40°-50°	2000.8	22.6
50°-60°	2292.5	25.8
60°-70°	1177.9	13.3
70°-80°	296.6	3.3
80°-90°	31.7	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°	8870.6	100.0
0°-180°	8870.6	100.0

**Coefficient of Utilization**

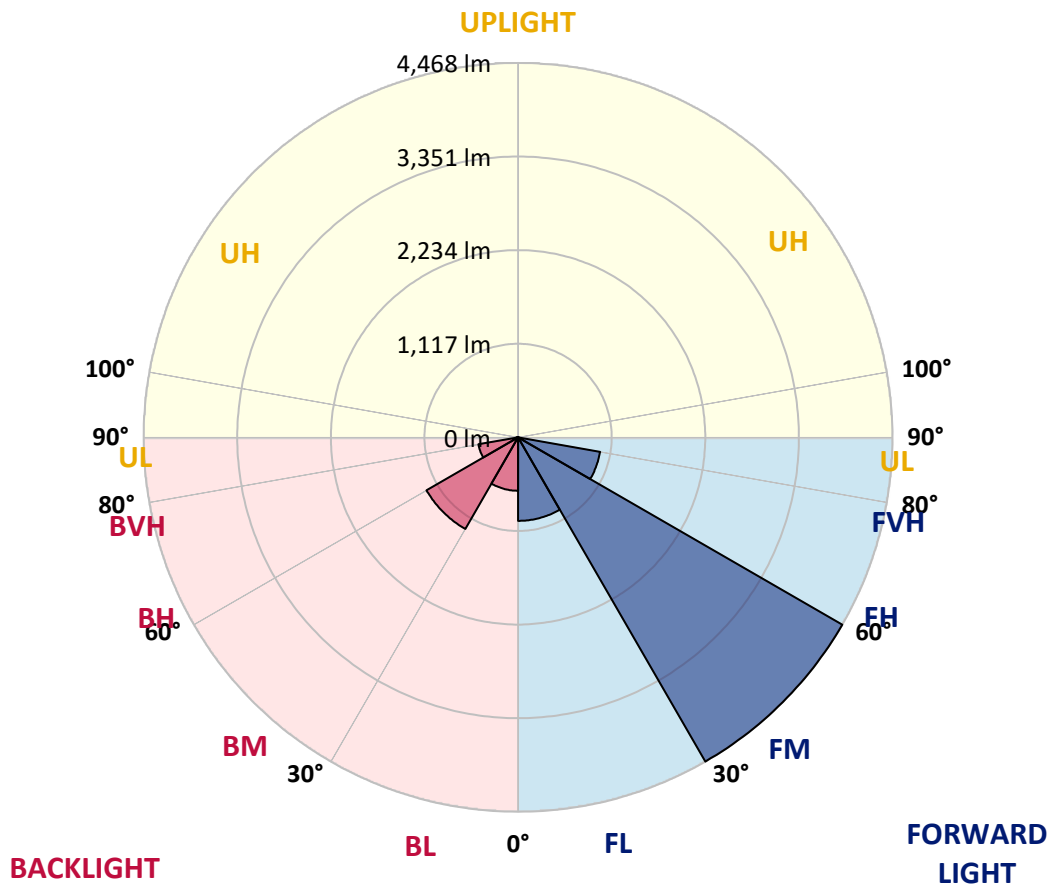


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	996.7	11.2			
FM (30°-60°)	4468.2	50.4			
FH (60°-80°)	994.3	11.2			G1/1800
FVH (80°-90°)	11.7	0.1			G1/100
BL (0°-30°)	637.5	7.2	B2/1000		
BM (30°-60°)	1262.0	14.2	B2/2500		
BH (60°-80°)	480.2	5.4	B1/500		G1/500
BVH (80°-90°)	20.0	0.2			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3
2.5°	1784.8	1789.4	1784.8	1792.4	1777.2	1770.3	1753.5	1728.4	1708.5	1705.5	1683.4
5°	1923.6	1933.5	1927.4	1924.4	1903.8	1888.5	1863.4	1813.0	1771.8	1765.7	1722.3
7.5°	2012.9	2019.7	2019.7	2022.0	2014.4	1996.9	1970.2	1910.7	1852.7	1843.5	1777.9
10°	2042.6	2048.0	2057.9	2076.9	2092.2	2097.5	2080.0	2022.8	1951.9	1942.7	1851.2
12.5°	2049.5	2055.6	2070.8	2105.9	2147.9	2186.0	2189.1	2147.1	2067.8	2057.9	1935.8
15°	2062.5	2068.6	2089.1	2132.6	2194.4	2267.6	2312.6	2283.6	2195.9	2185.3	2031.9
17.5°	2060.9	2067.8	2098.3	2156.3	2239.4	2345.4	2432.4	2444.6	2353.8	2335.5	2141.0
20°	2057.1	2063.2	2096.0	2166.9	2269.9	2415.6	2572.7	2636.0	2538.4	2521.6	2268.4
22.5°	2087.6	2094.5	2119.7	2178.4	2285.9	2469.8	2702.4	2854.9	2757.3	2733.7	2414.8
25°	2156.3	2166.2	2181.4	2221.9	2314.9	2517.8	2835.1	3102.8	3002.9	2974.7	2574.3
27.5°	2262.3	2274.5	2295.9	2314.9	2379.8	2578.8	2967.1	3380.5	3280.6	3250.8	2742.8
30°	2392.0	2408.0	2435.4	2448.4	2492.6	2668.8	3110.5	3666.5	3608.5	3567.3	2932.7
32.5°	2571.2	2593.3	2619.3	2623.1	2649.8	2805.4	3252.3	3950.2	3949.5	3920.5	3148.6
35°	2804.6	2828.2	2833.6	2838.9	2851.9	2993.0	3423.9	4208.8	4308.7	4275.2	3383.5
37.5°	3059.4	3093.7	3102.1	3078.4	3096.7	3218.8	3616.9	4416.3	4621.4	4585.6	3610.8
40°	3331.7	3345.4	3368.3	3330.9	3353.8	3477.3	3806.1	4549.0	4854.8	4816.7	3790.1
42.5°	3526.9	3552.1	3586.4	3572.7	3585.6	3698.5	3938.8	4613.1	5021.1	4983.0	3919.0
45°	3739.0	3746.6	3768.7	3765.7	3773.3	3878.5	4034.1	4641.3	5169.9	5135.5	4028.8
47.5°	3923.5	3935.0	3949.5	3932.7	3915.9	3984.6	4111.9	4665.7	5341.5	5300.3	4144.0
50°	4101.3	4111.2	4128.7	4079.9	4017.4	4034.9	4150.1	4699.2	5502.4	5473.4	4234.7
52.5°	4134.1	4144.7	4227.1	4237.0	4156.9	4095.2	4217.2	4773.2	5597.0	5578.7	4267.5
55°	3721.4	3740.5	3904.5	4092.9	4290.4	4270.6	4324.7	4812.1	5634.4	5638.9	4326.3
57.5°	2888.5	2916.0	3155.5	3414.0	3829.7	4173.7	4338.5	4802.2	5621.4	5646.6	4386.5
60°	1894.6	1910.7	2194.4	2484.2	2915.2	3391.1	3883.1	4623.7	5506.2	5542.1	4371.3
62.5°	1144.1	1162.4	1390.5	1610.1	1864.1	2182.2	2633.7	3716.1	4615.3	4695.4	3501.0
65°	798.6	823.0	1022.8	1203.6	1291.3	1225.7	1334.0	2075.4	2875.5	2909.1	2139.5
67.5°	578.9	595.7	759.7	974.8	1071.7	865.7	659.8	919.1	1252.4	1264.6	882.5
70°	379.1	398.2	546.9	742.1	874.9	701.7	493.5	497.3	527.1	533.2	512.6
72.5°	208.2	219.7	337.9	492.7	517.1	419.5	385.2	413.4	434.0	434.0	439.3
75°	107.5	117.5	138.1	162.5	196.0	229.6	277.6	319.6	341.7	343.2	340.9
77.5°	54.9	58.7	74.0	80.1	87.7	102.2	132.7	170.1	189.9	197.5	196.0
80°	25.9	27.5	31.3	36.6	45.0	57.2	71.7	85.4	97.6	99.2	107.5
82.5°	13.7	15.3	16.8	19.8	24.4	30.5	42.0	50.3	58.0	59.5	66.4
85°	5.3	6.1	6.9	7.6	10.7	13.0	17.5	23.6	29.0	29.0	34.3
87.5°	0.0	0.0	0.0	0.0	0.8	1.5	3.1	3.8	5.3	5.3	9.2
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°	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3	1661.3
2.5°	1678.0	1655.9	1646.0	1630.0	1617.0	1602.5	1591.1	1582.7	1577.3	1574.3	1571.2
5°	1705.5	1671.9	1645.2	1613.2	1591.1	1569.7	1552.2	1540.0	1533.9	1529.3	1526.2
7.5°	1748.2	1703.2	1652.9	1603.3	1564.4	1530.1	1507.9	1495.0	1486.6	1483.5	1481.2
10°	1806.9	1744.4	1661.3	1582.7	1524.7	1487.3	1472.1	1466.0	1466.8	1465.2	1464.5
12.5°	1873.3	1787.9	1659.0	1546.1	1482.0	1459.9	1460.6	1470.6	1482.0	1485.1	1485.8
15°	1945.0	1830.6	1636.8	1498.8	1448.4	1450.7	1470.6	1494.2	1515.6	1524.0	1525.5
17.5°	2022.8	1866.4	1596.4	1446.9	1421.0	1445.4	1482.0	1520.9	1552.2	1565.9	1569.7
20°	2109.7	1896.9	1539.2	1395.8	1395.1	1435.5	1488.9	1540.0	1579.6	1597.9	1601.0
22.5°	2202.0	1916.0	1469.0	1348.5	1368.4	1422.5	1483.5	1536.9	1578.9	1597.2	1601.0
25°	2295.1	1922.1	1392.0	1305.1	1340.9	1401.9	1457.6	1500.3	1540.0	1556.0	1559.0
27.5°	2382.0	1904.6	1318.8	1267.7	1315.7	1371.4	1408.8	1431.7	1459.1	1471.3	1473.6
30°	2470.5	1869.5	1257.0	1237.9	1287.5	1329.5	1346.2	1347.8	1358.4	1358.4	1360.0
32.5°	2559.8	1817.6	1202.8	1208.9	1252.4	1279.9	1282.2	1264.6	1251.7	1230.3	1229.5
35°	2662.7	1765.0	1158.6	1176.1	1211.2	1228.0	1221.1	1187.6	1156.3	1121.2	1119.7
37.5°	2758.1	1710.8	1121.2	1142.6	1164.7	1176.9	1160.9	1120.5	1094.5	1058.7	1053.3
40°	2836.6	1662.0	1085.4	1107.5	1118.2	1128.9	1102.9	1070.1	1073.9	1054.1	1053.3
42.5°	2882.4	1614.7	1051.8	1068.6	1075.5	1083.1	1060.2	1035.8	1056.4	1041.1	1041.9
45°	2916.0	1573.5	1021.3	1027.4	1044.2	1055.6	1034.3	1006.8	1011.4	952.7	938.9
47.5°	2954.1	1550.7	992.3	986.2	1016.0	1035.8	1003.0	963.3	935.9	877.9	872.6
50°	2994.5	1542.3	961.8	945.0	980.9	1000.0	961.8	912.2	876.4	845.1	842.1
52.5°	3008.3	1541.5	923.7	895.5	931.3	958.0	926.0	875.6	832.9	802.4	800.9
55°	3062.4	1563.6	874.9	827.6	861.1	916.1	892.4	819.9	785.6	771.9	770.4
57.5°	3125.7	1567.4	797.8	753.6	800.1	864.9	835.2	772.7	735.3	718.5	717.0
60°	3099.8	1473.6	715.5	697.1	748.2	816.9	789.4	735.3	691.8	675.8	674.3
62.5°	2362.2	1040.4	655.2	648.3	692.6	747.5	742.1	685.7	644.5	633.1	631.5
65°	1421.0	730.7	597.2	596.5	627.7	680.4	687.2	641.5	598.0	582.0	582.0
67.5°	702.5	559.1	531.6	527.8	547.6	585.0	614.0	576.6	540.0	524.8	522.5
70°	496.5	492.7	483.6	472.9	476.7	492.0	504.2	472.9	434.0	418.7	415.7
72.5°	429.4	430.2	424.1	415.7	412.6	402.0	391.3	368.4	344.8	328.7	330.3
75°	333.3	334.8	338.7	335.6	327.2	315.8	304.3	275.3	256.3	241.0	238.0
77.5°	194.5	202.1	214.3	211.3	212.8	196.8	192.2	164.0	146.4	135.8	133.5
80°	109.8	114.4	119.8	123.6	119.0	112.1	102.2	87.0	81.6	74.0	72.5
82.5°	66.4	70.9	73.2	76.3	74.7	65.6	58.0	48.1	43.5	39.7	38.9
85°	33.6	36.6	38.9	40.4	35.8	29.7	26.7	21.4	18.3	16.0	16.0
87.5°	8.4	9.2	10.7	9.2	8.4	3.8	3.1	0.8	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)