

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: P634352

Luminaire Tested: GWS-SA3B-750-U-SL4-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634352  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-750-U-SL4-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

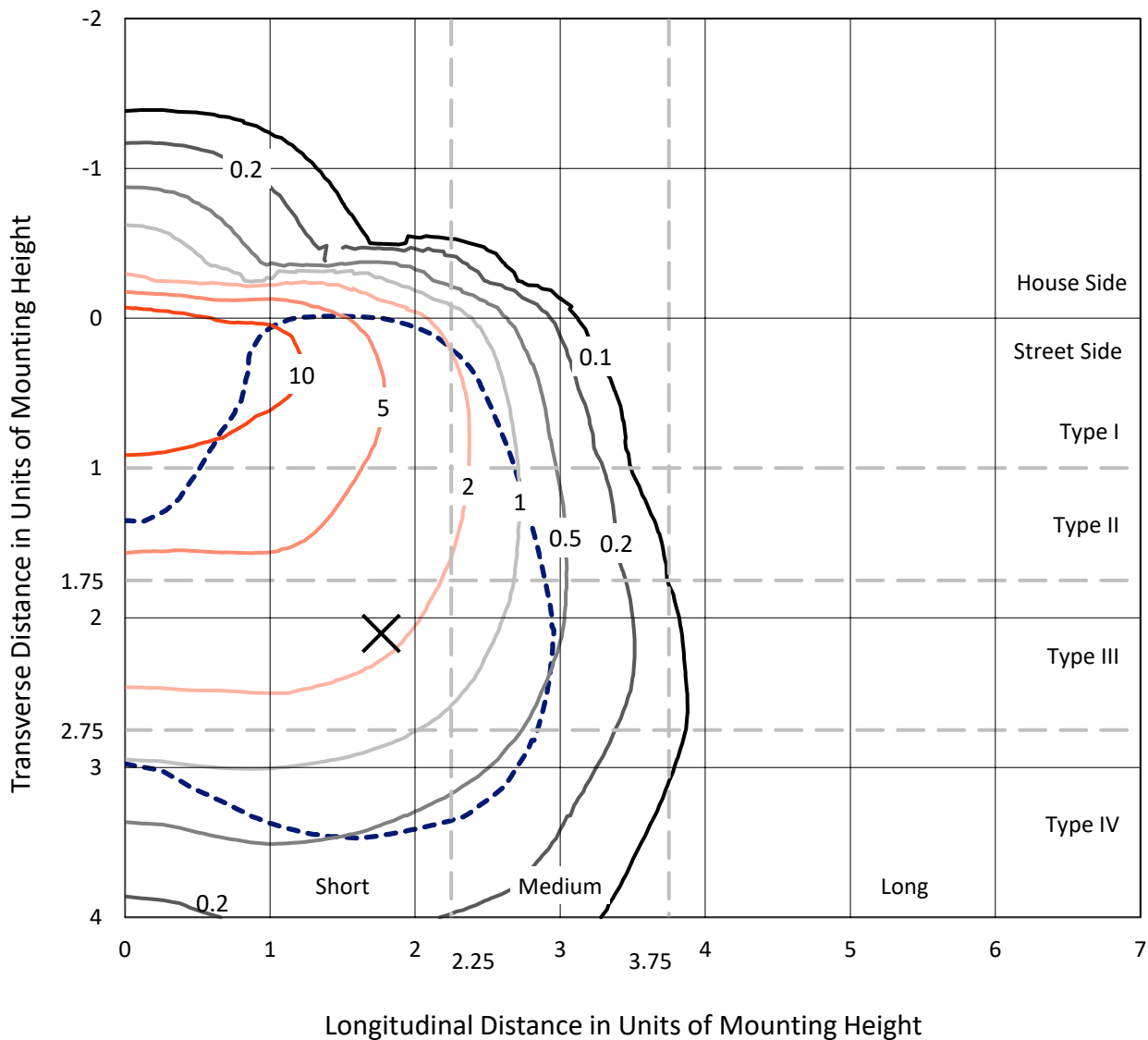
Lumens per Lamp: N/A  
Luminaire Lumens: 8383.3 lumens  
Efficiency: N/A  
Efficacy: 122.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

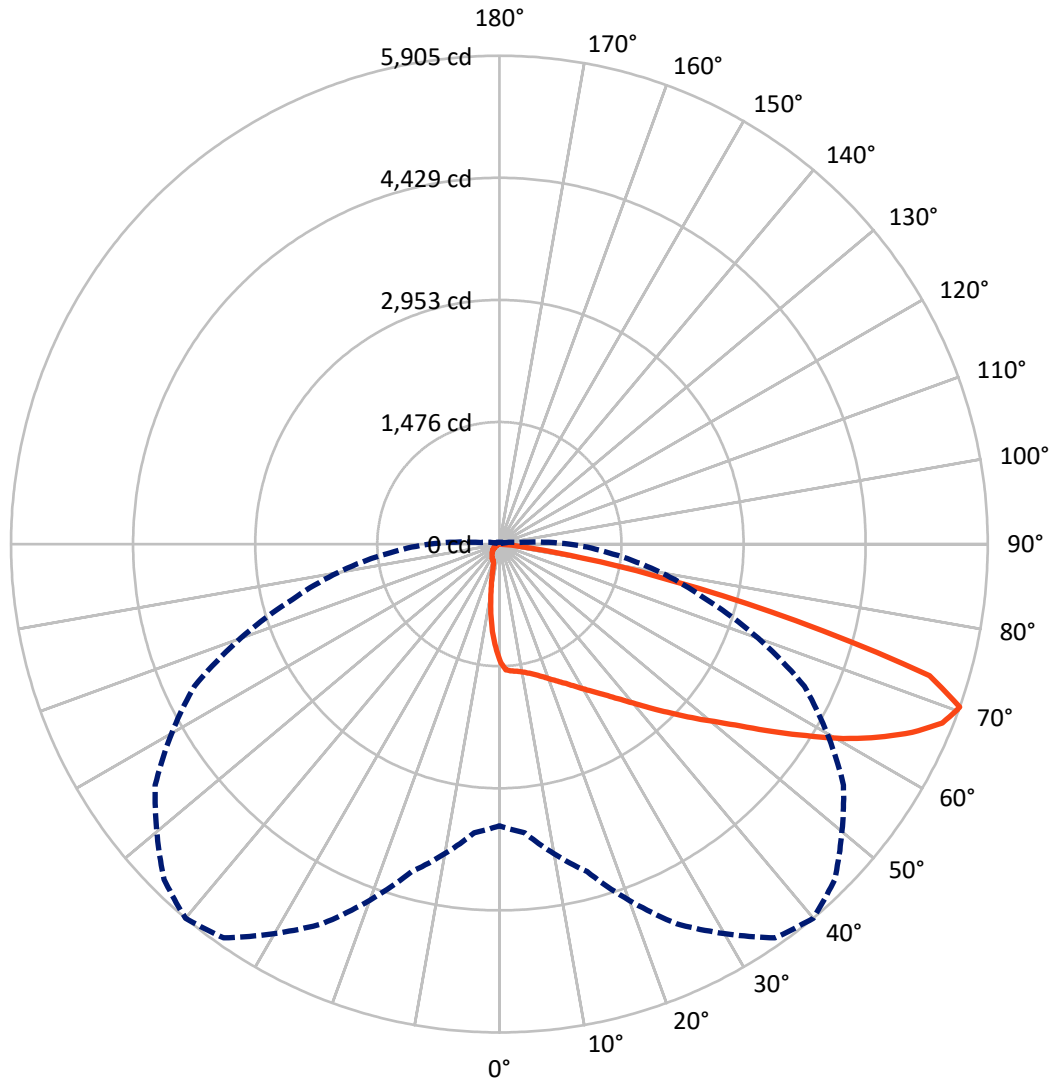
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	685.5	0.0	685.5
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	7697.8	0.0	7697.8
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	8383.3	0.0	8383.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.2	1.4
10°-20°	304.9	3.6
20°-30°	510.4	6.1
30°-40°	801.6	9.6
40°-50°	1267.9	15.1
50°-60°	1849.6	22.1
60°-70°	2292.8	27.4
70°-80°	1160.0	13.8
80°-90°	75.7	0.9
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°	8383.3	100.0
0°-180°	8383.3	100.0

**Coefficient of Utilization**



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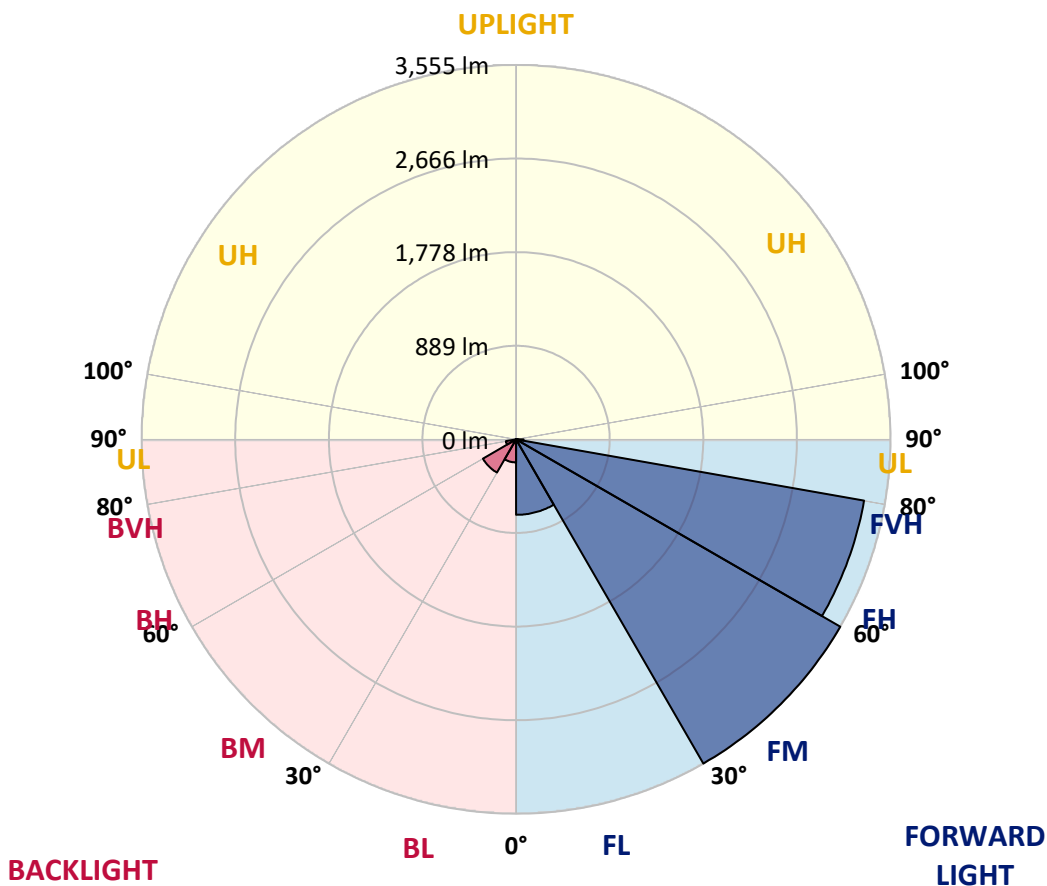
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	716.6	8.5			
FM (30°-60°)	3555.3	42.4			
FH (60°-80°)	3355.1	40.0			G2/5000
FVH (80°-90°)	70.7	0.8			G1/100
BL (0°-30°)	218.9	2.6	B1/500		
BM (30°-60°)	363.9	4.3	B1/1000		
BH (60°-80°)	97.7	1.2	B0/110		G0/110
BVH (80°-90°)	5.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5
2.5°	1529.3	1534.7	1533.9	1536.2	1530.9	1522.5	1520.9	1509.5	1488.9	1463.0	1434.0
5°	1560.6	1566.7	1562.1	1559.8	1549.9	1540.8	1538.5	1526.3	1502.6	1467.5	1417.2
7.5°	1587.3	1588.8	1585.8	1580.4	1565.9	1553.7	1545.3	1528.6	1500.3	1465.3	1407.3
10°	1591.9	1591.1	1592.6	1593.4	1584.3	1573.6	1566.7	1543.8	1508.0	1470.6	1408.1
12.5°	1586.5	1586.5	1596.5	1607.9	1607.9	1602.6	1595.7	1575.1	1533.1	1488.9	1423.3
15°	1593.4	1595.7	1614.8	1636.1	1643.0	1637.6	1634.6	1613.2	1569.8	1520.9	1450.8
17.5°	1617.8	1620.1	1650.6	1682.6	1691.0	1684.9	1678.8	1657.5	1610.9	1557.6	1482.0
20°	1653.7	1659.8	1698.7	1739.9	1747.5	1739.9	1727.6	1697.9	1651.4	1597.2	1511.8
22.5°	1719.3	1723.1	1765.0	1808.5	1812.3	1800.1	1781.8	1740.6	1691.8	1639.2	1545.3
25°	1806.2	1811.6	1853.5	1895.5	1885.5	1867.2	1842.1	1795.5	1739.9	1688.7	1588.1
27.5°	1909.9	1916.1	1957.2	1993.9	1967.9	1946.6	1918.3	1860.4	1803.9	1757.4	1643.0
30°	2022.1	2027.4	2064.0	2096.8	2062.5	2037.3	2003.8	1944.3	1887.1	1852.0	1720.8
32.5°	2130.4	2129.6	2164.7	2191.4	2156.3	2136.5	2106.0	2045.7	2000.0	1984.7	1836.7
35°	2231.1	2231.1	2260.1	2286.8	2261.6	2250.9	2222.7	2174.6	2148.7	2167.0	1991.6
37.5°	2332.5	2327.2	2354.6	2384.4	2382.1	2382.9	2366.8	2344.0	2345.5	2410.3	2204.4
40°	2416.4	2414.1	2446.2	2485.1	2515.6	2540.0	2530.1	2538.5	2586.5	2707.8	2476.7
42.5°	2483.5	2488.9	2530.1	2591.9	2668.9	2718.5	2725.3	2759.7	2883.2	3070.9	2784.1
45°	2560.6	2561.3	2618.6	2713.1	2835.9	2914.5	2942.0	3030.4	3205.9	3447.7	3121.2
47.5°	2655.2	2646.0	2710.1	2842.8	3020.5	3136.5	3185.3	3295.9	3567.4	3815.3	3395.8
50°	2759.7	2742.9	2815.3	2996.1	3227.2	3372.2	3471.3	3633.0	3925.9	4117.4	3600.2
52.5°	2880.9	2864.9	2947.3	3172.3	3475.1	3651.3	3778.7	3941.9	4233.3	4347.7	3722.3
55°	3035.0	3019.0	3106.0	3383.6	3768.0	3996.9	4130.3	4267.6	4519.3	4517.8	3810.7
57.5°	3205.9	3183.8	3304.3	3650.6	4133.4	4371.4	4507.1	4574.3	4736.7	4649.8	3870.2
60°	3401.9	3382.1	3549.1	3968.6	4555.2	4775.6	4861.1	4833.6	4915.2	4727.6	3849.6
62.5°	3578.9	3569.7	3777.2	4305.8	4957.2	5143.3	5166.9	5047.2	5046.4	4729.1	3710.8
65°	3762.7	3780.2	4088.4	4694.0	5361.4	5486.5	5446.1	5259.2	5099.0	4542.2	3300.5
67.5°	3831.3	3882.4	4293.6	5044.9	5680.3	5777.9	5707.0	5365.2	4880.1	3913.7	2513.3
70°	3407.2	3503.4	4099.8	5064.7	5812.2	5905.3	5735.2	5080.0	4068.6	2592.6	1376.8
72.5°	2591.1	2703.2	3416.4	4147.1	5227.2	5439.2	5148.6	4138.7	2622.4	1135.7	462.2
75°	1450.0	1571.3	2544.6	3122.7	3509.5	3703.2	3596.4	2655.2	1161.7	296.7	138.1
77.5°	490.5	530.9	1183.8	1932.1	2316.5	2142.6	1813.8	1318.8	427.1	112.9	73.2
80°	290.6	305.9	440.9	961.8	1218.9	1010.7	797.8	487.4	217.4	60.3	51.1
82.5°	87.0	103.0	243.3	357.0	477.5	297.5	251.7	278.4	112.9	32.8	42.7
85°	0.0	0.0	51.9	110.6	125.1	48.8	48.8	157.9	20.6	13.7	31.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.8	2.3	3.1	6.9
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°	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5	1422.5
2.5°	1413.4	1386.7	1355.4	1325.7	1297.5	1260.8	1243.3	1221.9	1203.6	1193.7	1199.1
5°	1385.2	1343.2	1279.1	1214.3	1148.7	1086.9	1031.3	993.9	960.3	942.8	946.6
7.5°	1360.8	1304.3	1204.4	1098.4	993.1	887.1	800.9	733.8	681.9	660.5	656.7
10°	1350.1	1279.1	1138.0	985.5	823.8	681.1	559.1	485.1	432.5	406.6	411.1
12.5°	1355.4	1266.2	1081.6	874.9	665.1	498.8	382.1	312.7	275.4	260.1	256.3
15°	1370.7	1263.1	1031.3	762.0	513.3	348.6	263.9	235.7	228.1	226.5	226.5
17.5°	1388.2	1263.9	979.4	647.6	389.8	258.6	225.8	220.4	218.1	216.6	217.4
20°	1405.8	1263.9	919.9	531.6	292.9	223.5	215.1	211.3	209.0	208.2	208.2
22.5°	1427.1	1263.9	853.5	424.1	234.9	212.0	205.2	202.9	200.6	199.8	199.1
25°	1453.1	1264.7	780.3	331.8	213.6	202.1	196.8	194.5	192.2	190.7	190.7
27.5°	1490.4	1270.8	699.4	258.6	201.4	193.0	188.4	186.1	183.8	181.5	181.5
30°	1544.6	1286.0	608.7	213.6	189.9	183.1	178.5	177.0	174.7	172.4	171.6
32.5°	1625.4	1312.7	514.9	191.5	179.2	172.4	167.0	165.5	163.2	160.9	160.2
35°	1738.3	1361.5	423.3	177.7	165.5	158.7	155.6	154.8	151.8	149.5	149.5
37.5°	1903.8	1440.9	335.6	164.0	154.1	148.7	144.9	143.4	140.3	138.1	137.3
40°	2106.0	1543.8	260.9	153.3	143.4	138.1	134.2	132.0	128.1	125.1	123.6
42.5°	2363.8	1669.7	205.9	141.9	133.5	128.1	125.1	120.5	115.2	110.6	109.8
45°	2632.3	1799.3	170.1	131.2	124.3	119.8	115.9	109.8	102.2	96.9	95.3
47.5°	2838.2	1880.2	148.7	119.8	114.4	110.6	106.0	98.4	89.2	83.1	81.6
50°	2985.4	1892.4	132.7	109.1	106.0	102.2	95.3	86.2	76.3	70.2	68.6
52.5°	3057.9	1837.5	119.8	99.2	96.9	93.1	84.7	74.8	64.1	58.0	56.4
55°	3090.7	1733.8	107.5	90.8	87.7	83.1	74.0	63.3	52.6	47.3	45.8
57.5°	3077.7	1580.4	96.9	82.4	78.6	73.2	63.3	51.9	43.5	38.1	37.4
60°	2981.6	1365.3	86.2	74.0	69.4	63.3	53.4	42.7	35.1	31.3	30.5
62.5°	2774.2	1098.4	75.5	64.1	61.0	54.9	45.8	35.1	29.0	26.7	25.9
65°	2349.3	776.5	64.8	54.2	52.6	46.5	38.1	29.0	25.2	23.6	22.9
67.5°	1688.7	472.1	54.9	46.5	45.0	39.7	32.0	25.2	22.9	22.1	22.1
70°	849.0	223.5	43.5	38.1	38.1	32.8	27.5	22.9	22.1	21.4	21.4
72.5°	288.3	95.3	32.8	29.7	31.3	28.2	23.6	21.4	21.4	21.4	21.4
75°	98.4	50.3	22.9	21.4	22.9	22.9	20.6	20.6	21.4	21.4	21.4
77.5°	64.1	33.6	16.0	14.5	17.5	17.5	17.5	19.1	20.6	20.6	20.6
80°	52.6	18.3	10.7	9.9	13.0	13.0	14.5	17.5	19.1	19.1	19.1
82.5°	45.0	11.4	6.1	6.9	9.2	9.9	12.2	14.5	16.8	17.5	17.5
85°	30.5	6.1	4.6	5.3	6.1	7.6	9.9	12.2	13.7	15.3	15.3
87.5°	8.4	2.3	3.1	3.8	3.8	5.3	7.6	9.2	10.7	11.4	11.4
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)