

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P595906

Luminaire Tested: **ISW-PA1F-827-U-T3**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISW-PA1F-827-U-T3
Description: IMPACT ELITE LED WEDGE LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8184 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

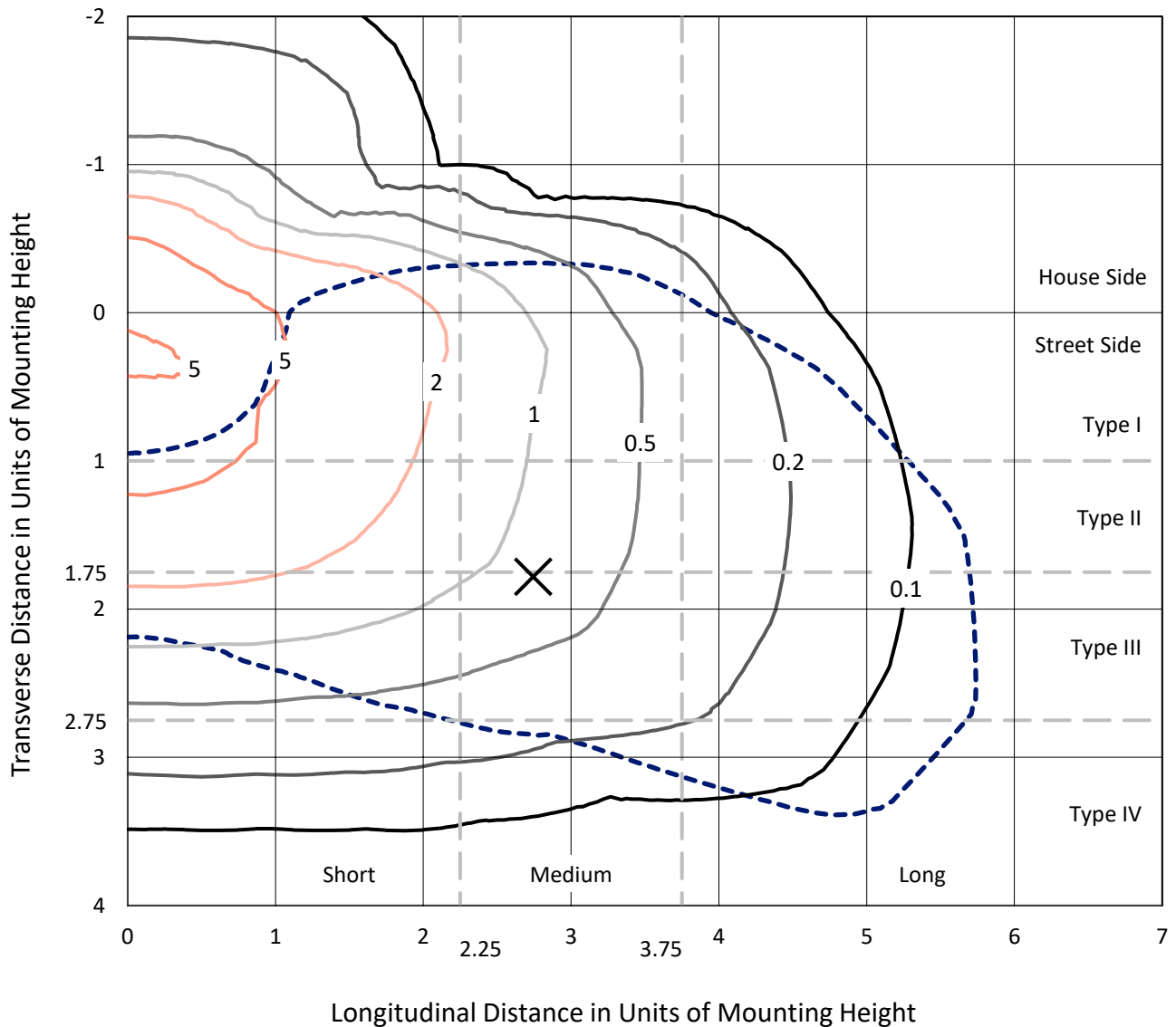
Input Watts (W): 93.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P595906
 CATALOG NUMBER: ISW-PA1F-827-U-T3

Iso-Footcandle Lines of Horizontal Illumination

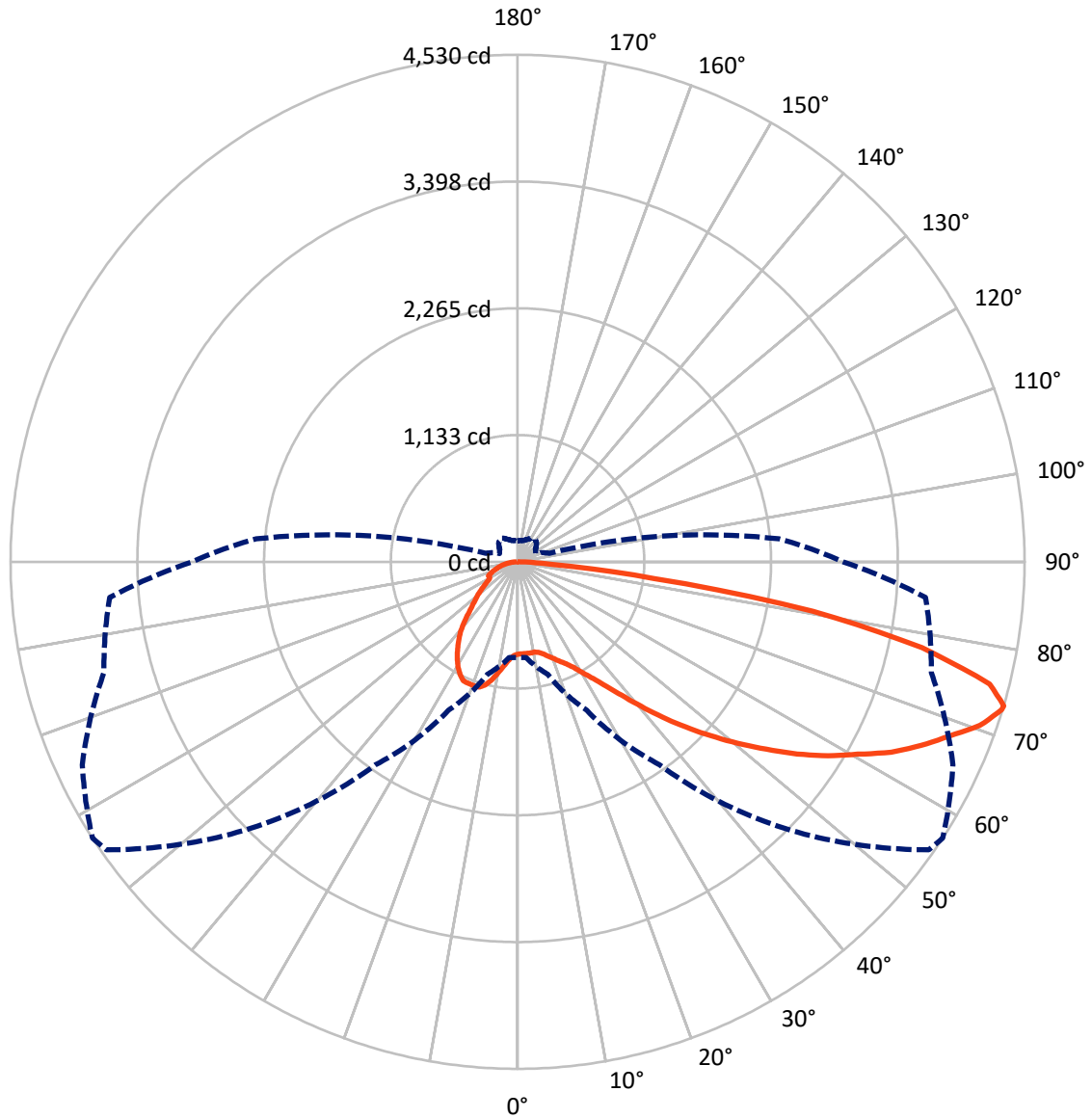
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Medium - N/A

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CATALOG NUMBER: ISW-PA1F-827-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1952.4	0.0	1952.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6231.6	0.0	6231.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	8184.0	0.0	8184.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.3	1.0
10°-20°	270.8	3.3
20°-30°	499.8	6.1
30°-40°	771.8	9.4
40°-50°	1161.7	14.2
50°-60°	1700.3	20.8
60°-70°	2007.9	24.5
70°-80°	1437.6	17.6
80°-90°	251.9	3.1
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°	8184.0	100.0
0°-180°	8184.0	100.0

Coefficient of Utilization

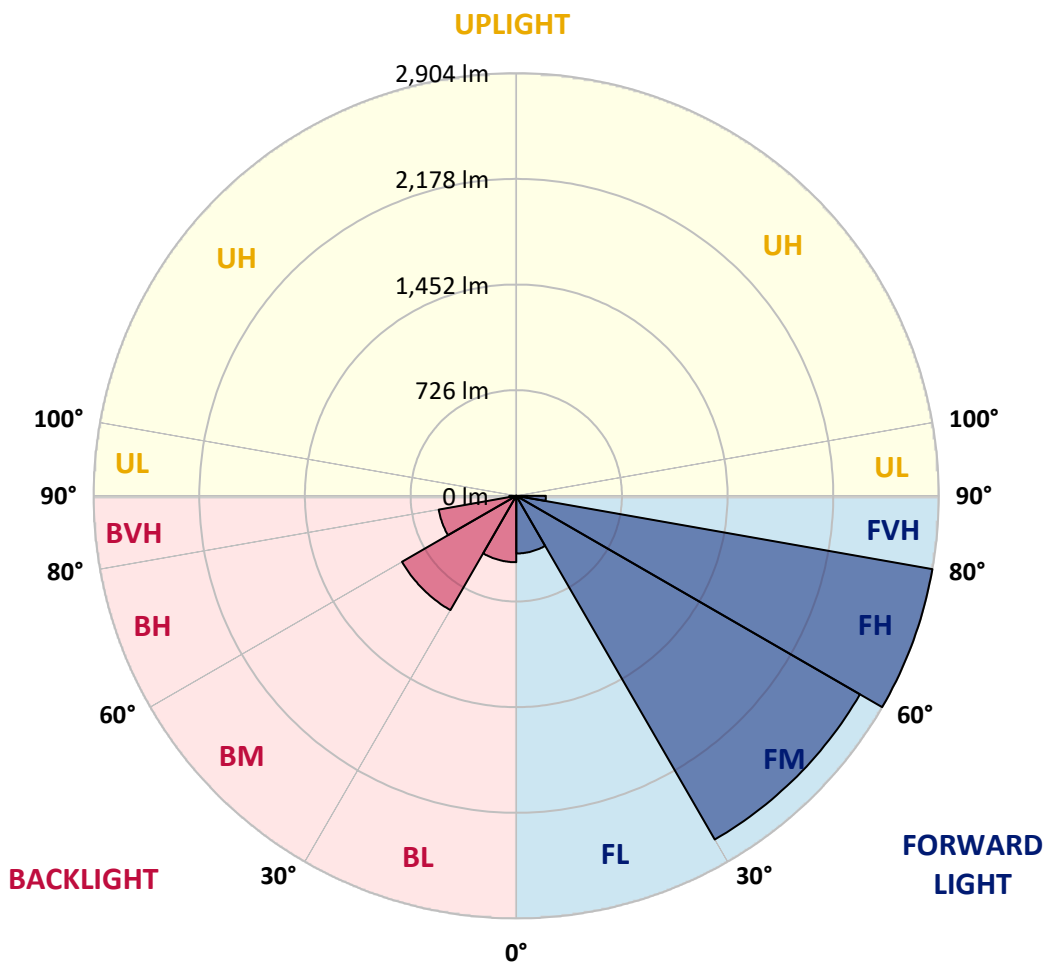


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	396.6	4.8			
FM (30°-60°)	2727.1	33.3			
FH (60°-80°)	2904.1	35.5			G2/5000
FVH (80°-90°)	203.8	2.5			G2/225
BL (0°-30°)	456.3	5.6	B1/500		
BM (30°-60°)	906.7	11.1	B1/1000		
BH (60°-80°)	541.3	6.6	B2/1000		G2/1000
BVH (80°-90°)	48.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type IV Medium





REPORT NUMBER: P595906

CATALOG NUMBER: ISW-PA1F-827-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	824.5	824.5	824.5	824.5	824.5	824.5	824.5	824.5	824.5	824.5	824.5
2.5°	814.5	818.5	816.5	818.5	824.5	820.5	820.5	822.5	824.5	822.5	826.5
5°	780.4	782.4	786.4	794.4	808.5	812.5	822.5	822.5	826.5	830.6	836.6
7.5°	724.2	728.2	736.3	744.3	768.4	792.4	818.5	822.5	836.6	846.6	850.6
10°	714.2	718.2	720.2	732.3	756.3	780.4	812.5	820.5	846.6	862.7	880.7
12.5°	704.2	708.2	714.2	730.3	760.3	786.4	820.5	828.6	860.7	892.8	914.8
15°	712.2	714.2	720.2	736.3	766.4	802.5	846.6	852.6	888.7	928.9	963.0
17.5°	732.3	734.3	732.3	746.3	774.4	816.5	876.7	886.7	930.9	971.0	1005.1
20°	778.4	780.4	772.4	772.4	792.4	834.6	908.8	922.8	977.0	1021.1	1055.3
22.5°	878.7	874.7	854.6	828.6	828.6	862.7	944.9	965.0	1033.2	1069.3	1099.4
25°	1021.1	1021.1	989.0	940.9	908.8	904.8	987.0	1009.1	1089.4	1133.5	1151.5
27.5°	1193.7	1195.7	1143.5	1079.3	1017.1	987.0	1047.2	1069.3	1159.6	1205.7	1211.7
30°	1346.1	1348.2	1296.0	1235.8	1159.6	1093.4	1127.5	1151.5	1255.9	1292.0	1271.9
32.5°	1498.6	1500.6	1464.5	1382.3	1302.0	1219.8	1229.8	1243.8	1350.2	1384.3	1352.2
35°	1631.0	1637.0	1600.9	1538.7	1454.5	1380.3	1362.2	1364.2	1460.5	1482.6	1440.4
37.5°	1765.4	1765.4	1743.4	1685.2	1613.0	1530.7	1506.6	1512.7	1598.9	1621.0	1560.8
40°	1936.0	1944.0	1932.0	1859.7	1777.5	1709.3	1685.2	1693.2	1787.5	1775.5	1711.3
42.5°	2142.6	2160.7	2140.6	2062.4	1974.1	1897.8	1897.8	1897.8	1978.1	1980.1	1883.8
45°	2407.4	2407.4	2387.4	2319.1	2202.8	2126.6	2100.5	2106.5	2176.7	2184.7	2072.4
47.5°	2628.1	2648.2	2626.1	2575.9	2483.7	2411.4	2329.2	2319.1	2377.3	2377.3	2281.0
50°	2806.7	2842.8	2824.7	2846.8	2780.6	2744.5	2575.9	2547.9	2567.9	2588.0	2481.6
52.5°	2955.1	2983.2	2977.2	3041.4	3073.5	3093.5	2826.7	2782.6	2798.6	2796.6	2700.3
55°	2965.1	2975.2	3065.4	3209.9	3336.3	3430.6	3079.5	3031.3	3015.3	3007.3	2933.0
57.5°	2907.0	2913.0	3093.5	3264.1	3538.9	3647.2	3318.2	3270.1	3248.0	3219.9	3189.8
60°	2766.5	2796.6	3033.3	3296.2	3659.3	3815.8	3540.9	3490.8	3474.7	3414.5	3482.7
62.5°	2588.0	2602.0	2838.7	3230.0	3675.3	3888.0	3775.6	3745.5	3695.4	3609.1	3743.5
65°	2335.2	2333.2	2541.8	3035.4	3593.1	3924.1	3974.2	3958.2	3896.0	3747.6	3976.3
67.5°	1917.9	1964.1	2168.7	2690.3	3394.5	3960.2	4176.9	4156.8	4058.5	3871.9	4086.6
70°	1462.5	1490.6	1723.3	2172.7	2999.2	3861.9	4375.5	4381.5	4203.0	3898.0	4038.4
72.5°	932.9	981.0	1165.6	1582.9	2401.4	3496.8	4493.9	4521.9	4283.2	3861.9	3739.5
73°	854.6	858.6	1039.2	1464.5	2214.8	3366.4	4485.8	4530.0	4291.2	3825.8	3657.3
75°	509.6	531.6	640.0	973.0	1580.9	2704.3	4269.2	4357.4	4249.1	3665.3	3205.9
77.5°	238.7	254.8	315.0	513.6	860.7	1627.0	3589.1	3693.4	3765.6	3207.9	2443.5
80°	126.4	128.4	154.5	258.8	461.4	670.1	2501.7	2674.2	2776.6	2415.4	1643.1
82.5°	106.3	106.3	120.4	166.5	294.9	260.8	1031.2	1227.8	1504.6	1189.7	646.0
85°	86.3	88.3	120.4	124.4	210.6	134.4	246.8	309.0	583.8	525.6	72.2
87.5°	28.1	32.1	68.2	88.3	112.3	52.2	62.2	68.2	68.2	100.3	24.1
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: P595906
 CATALOG NUMBER: ISW-PA1F-827-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	824.5	824.5	824.5	824.5	824.5	824.5	824.5	824.5	824.5	824.5	824.5
2.5°	828.6	828.6	830.6	832.6	836.6	836.6	840.6	842.6	846.6	848.6	842.6
5°	836.6	840.6	844.6	856.6	870.7	882.7	894.8	904.8	914.8	920.8	918.8
7.5°	858.6	864.7	880.7	902.8	930.9	948.9	967.0	985.0	993.1	997.1	997.1
10°	888.7	900.8	930.9	967.0	999.1	1027.2	1041.2	1053.2	1057.3	1061.3	1057.3
12.5°	930.9	946.9	993.1	1039.2	1075.3	1089.4	1087.4	1071.3	1049.2	1045.2	1041.2
15°	985.0	1005.1	1057.3	1111.4	1139.5	1121.5	1075.3	1059.3	1055.3	1067.3	1063.3
17.5°	1031.2	1055.3	1119.5	1175.6	1169.6	1107.4	1093.4	1101.4	1097.4	1099.4	1099.4
20°	1075.3	1109.4	1177.6	1215.7	1163.6	1123.5	1111.4	1101.4	1089.4	1093.4	1089.4
22.5°	1131.5	1155.6	1233.8	1235.8	1155.6	1123.5	1097.4	1077.3	1073.3	1075.3	1077.3
25°	1175.6	1213.7	1282.0	1221.8	1155.6	1091.4	1055.3	1051.2	1053.2	1065.3	1061.3
27.5°	1235.8	1273.9	1320.1	1213.7	1107.4	1039.2	1025.2	1023.2	1009.1	1013.1	1013.1
30°	1292.0	1338.1	1340.1	1213.7	1047.2	995.1	975.0	938.9	908.8	914.8	912.8
32.5°	1368.2	1408.3	1344.1	1165.6	979.0	936.9	882.7	826.5	812.5	820.5	822.5
35°	1456.5	1488.6	1348.2	1085.3	910.8	854.6	756.3	724.2	722.2	728.2	734.3
37.5°	1572.8	1590.9	1378.2	993.1	844.6	726.2	650.0	642.0	623.9	611.9	613.9
40°	1715.3	1693.2	1436.4	910.8	766.4	609.9	577.8	555.7	521.6	487.5	493.5
42.5°	1873.8	1811.6	1454.5	844.6	660.0	537.7	507.6	473.5	431.3	395.2	393.2
45°	2044.3	1944.0	1438.4	792.4	553.7	483.5	451.4	411.3	361.1	331.0	331.0
47.5°	2246.9	2070.4	1388.3	750.3	479.5	435.3	395.2	355.1	321.0	292.9	292.9
50°	2469.6	2216.8	1352.2	676.1	427.3	389.2	349.1	317.0	290.9	268.8	268.8
52.5°	2704.3	2355.3	1322.1	567.7	381.2	347.1	319.0	292.9	270.8	242.7	238.7
55°	2943.1	2487.7	1336.1	463.4	339.0	317.0	298.9	272.8	264.8	258.8	254.8
57.5°	3191.8	2632.1	1370.2	379.2	302.9	300.9	292.9	311.0	329.0	317.0	311.0
60°	3386.4	2744.5	1374.2	319.0	280.9	317.0	357.1	363.1	315.0	286.9	284.9
62.5°	3540.9	2850.8	1279.9	276.9	286.9	373.2	381.2	321.0	272.8	260.8	260.8
65°	3621.2	2888.9	1029.2	252.8	298.9	357.1	345.1	288.9	254.8	252.8	252.8
67.5°	3581.0	2858.8	720.2	226.7	264.8	309.0	309.0	264.8	234.7	244.8	240.7
70°	3388.4	2710.4	475.5	204.6	232.7	278.9	286.9	246.8	218.7	224.7	218.7
72.5°	2987.2	2445.5	313.0	180.6	200.6	246.8	266.8	226.7	200.6	198.6	192.6
73°	2909.0	2345.2	294.9	176.5	194.6	238.7	260.8	222.7	196.6	190.6	186.6
75°	2467.6	1956.0	222.7	158.5	172.5	214.7	242.7	208.6	180.6	172.5	168.5
77.5°	1797.5	1356.2	166.5	134.4	144.4	186.6	214.7	190.6	160.5	150.5	148.5
80°	1121.5	738.3	124.4	108.3	114.4	156.5	188.6	170.5	138.4	126.4	124.4
82.5°	439.4	240.7	86.3	80.2	84.3	118.4	158.5	148.5	116.4	106.3	100.3
85°	72.2	82.3	56.2	54.2	54.2	84.3	120.4	114.4	78.2	68.2	60.2
87.5°	20.1	38.1	22.1	20.1	20.1	36.1	66.2	52.2	32.1	26.1	24.1
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)