

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: P595779

Luminaire Tested: **ISW-PA1E-730-U-T3-HSS**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P595779  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/22/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: ISW-PA1E-730-U-T3-HSS  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6800 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

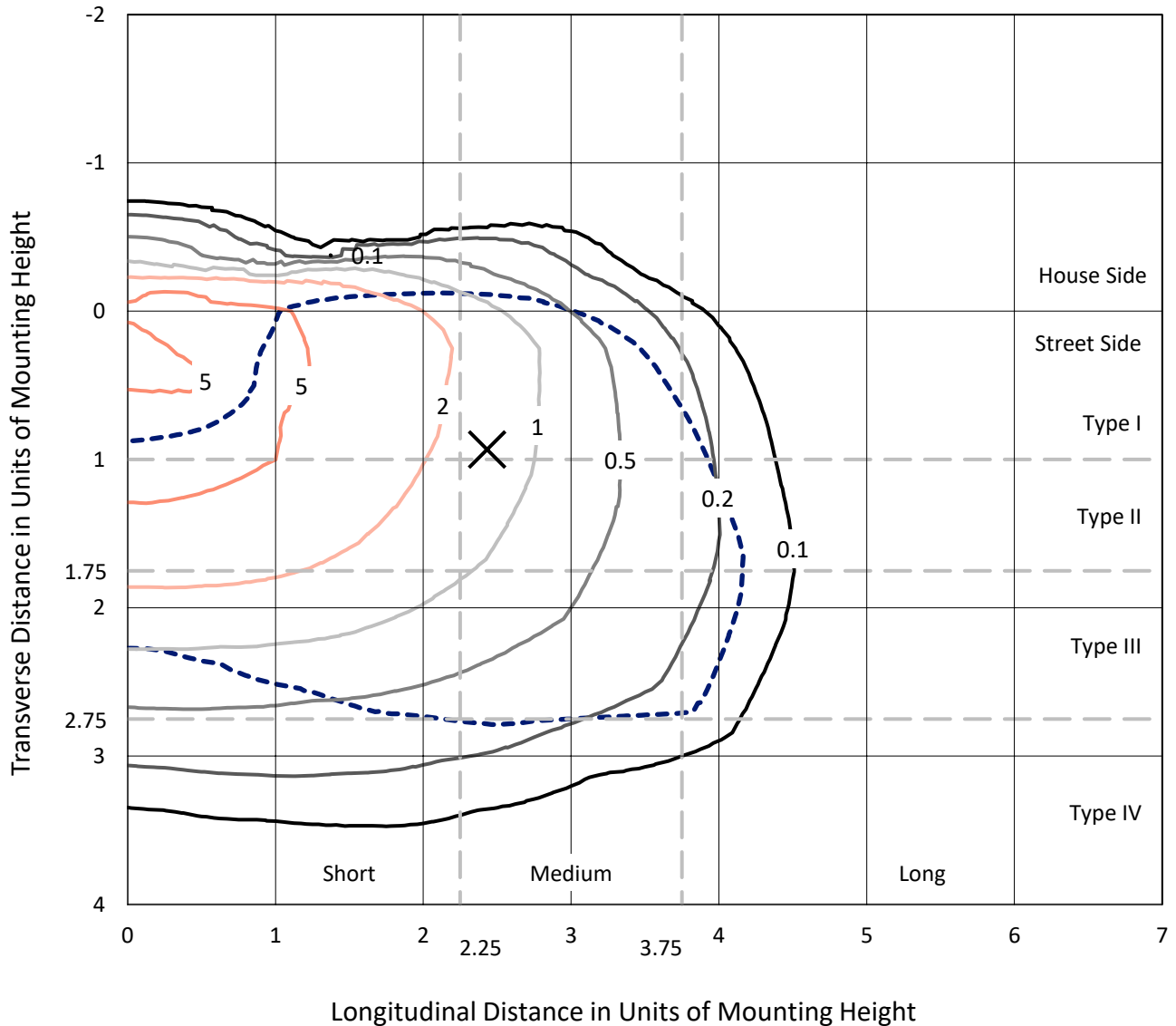
Input Watts (W): 81.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

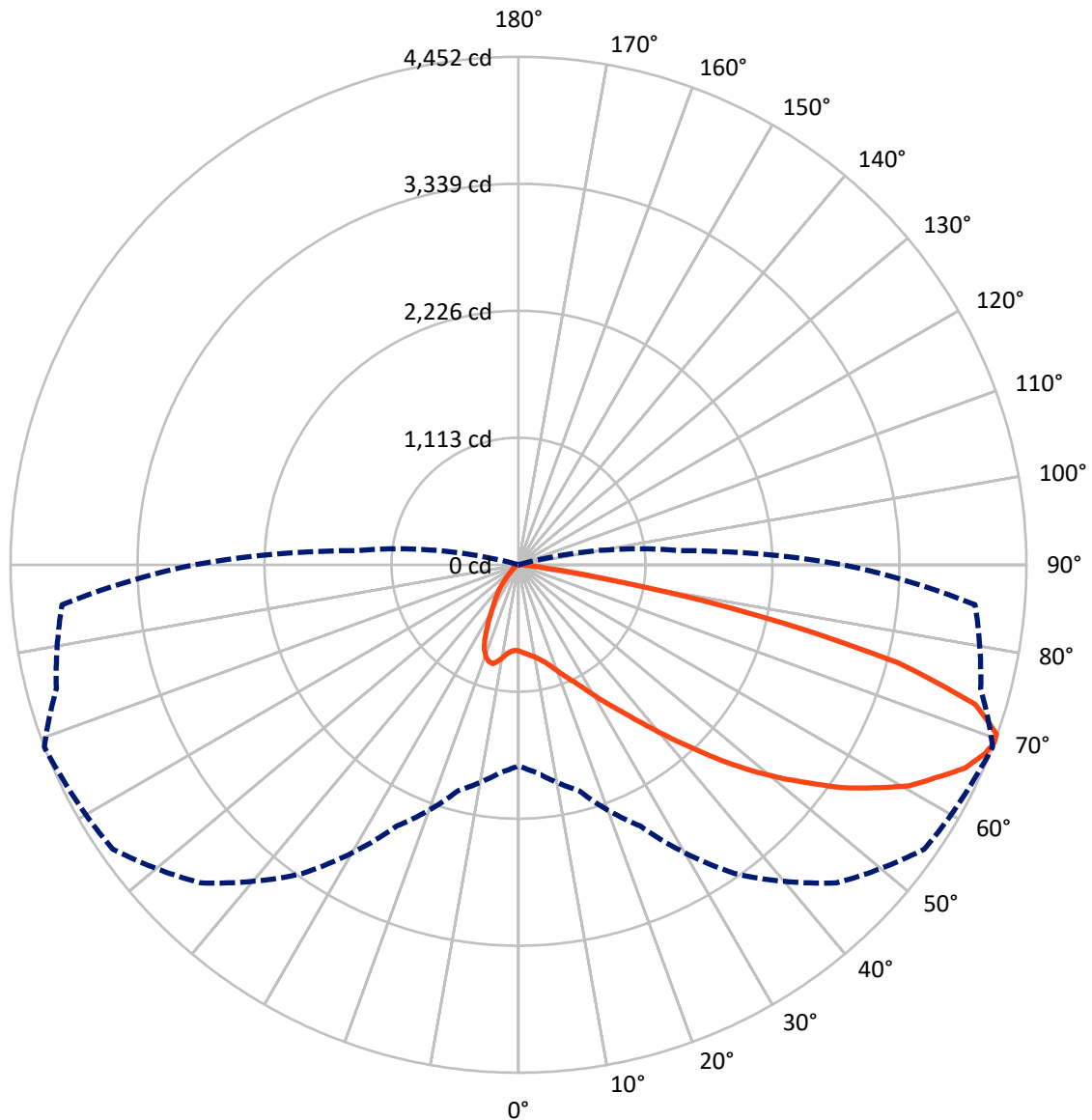
✕ Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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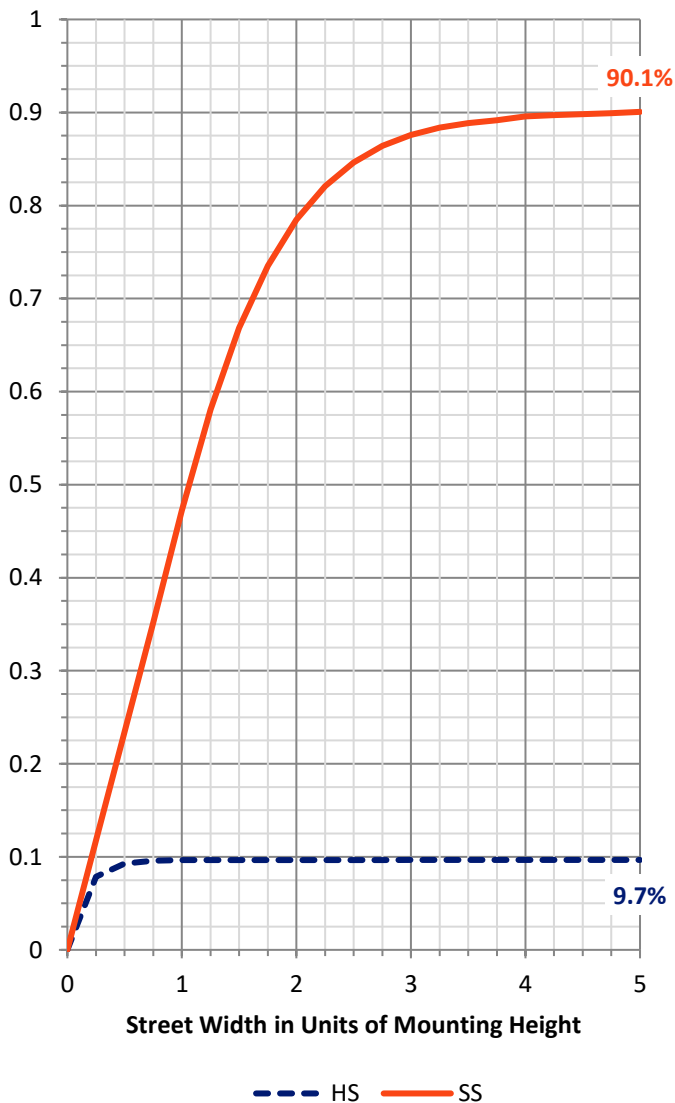
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	662.6	0.0	662.6
	% Fixture	9.7	0.0	9.7
<b>Street Side</b>	Lumens	6137.4	0.0	6137.4
	% Fixture	90.3	0.0	90.3
<b>Total</b>	Lumens	6800.0	0.0	6800.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.1	1.1
10°-20°	190.8	2.8
20°-30°	317.7	4.7
30°-40°	572.0	8.4
40°-50°	1037.2	15.3
50°-60°	1620.8	23.8
60°-70°	1875.2	27.6
70°-80°	1048.7	15.4
80°-90°	65.5	1.0
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°	6800.0	100.0
0°-180°	6800.0	100.0

**Coefficient of Utilization**

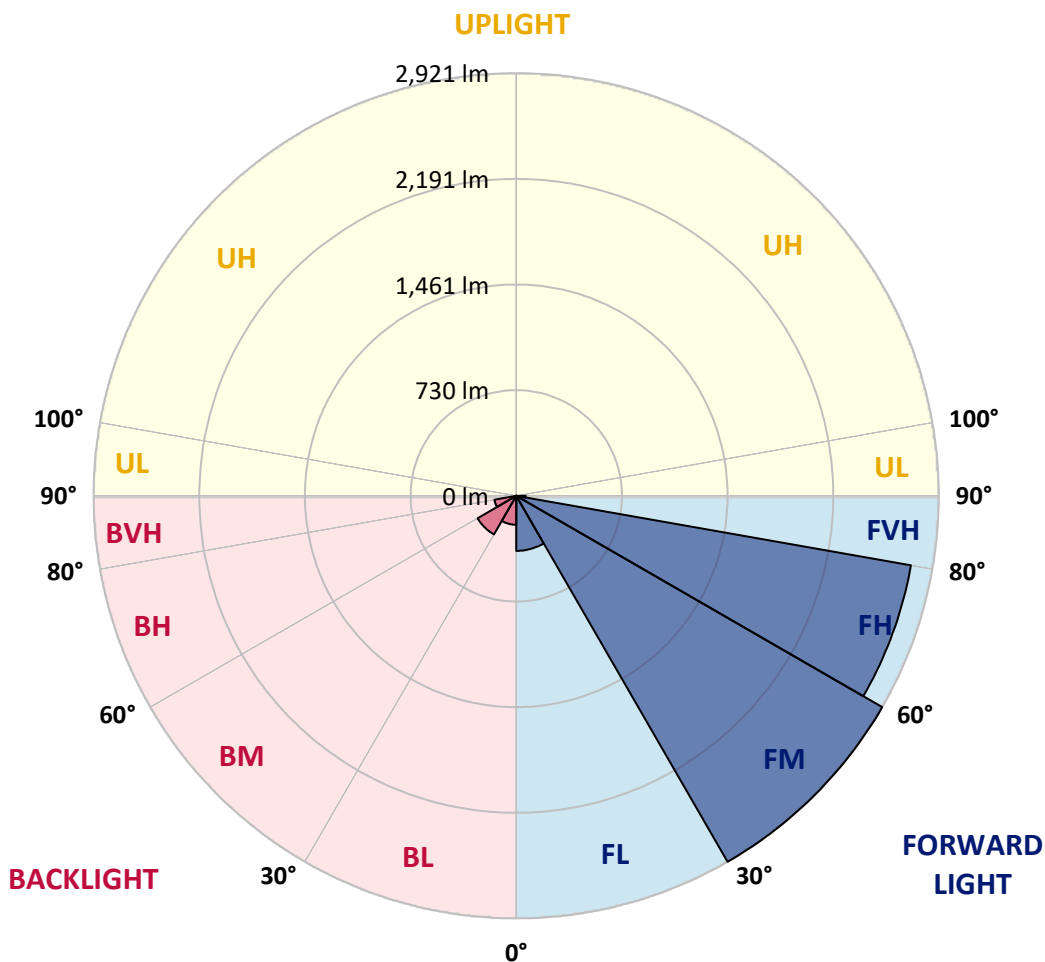


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	380.4	5.6			
FM (30°-60°)	2921.5	43.0			
FH (60°-80°)	2770.5	40.7			G2/5000
FVH (80°-90°)	65.0	1.0			G1/100
BL (0°-30°)	200.2	2.9	B1/500		
BM (30°-60°)	308.5	4.5	B1/1000		
BH (60°-80°)	153.4	2.3	B1/500		G1/500
BVH (80°-90°)	0.5	0.0			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4
2.5°	783.6	783.6	783.6	779.0	781.3	779.0	776.8	770.0	772.2	770.0	763.2
5°	756.4	758.7	765.4	770.0	781.3	785.8	788.1	788.1	785.8	781.3	776.8
7.5°	704.3	704.3	711.1	724.7	747.3	772.2	792.6	803.9	806.2	806.2	799.4
10°	690.7	690.7	699.8	708.8	731.5	760.9	792.6	819.8	824.3	828.9	826.6
12.5°	683.9	686.2	695.2	711.1	740.5	767.7	801.7	840.2	853.8	865.1	867.4
15°	693.0	693.0	702.0	717.9	751.9	790.4	833.4	876.4	890.0	905.9	917.2
17.5°	706.6	711.1	715.6	731.5	763.2	810.7	867.4	924.0	939.8	960.2	969.3
20°	729.2	729.2	733.7	747.3	781.3	837.9	917.2	985.1	998.7	1012.3	1023.6
22.5°	756.4	758.7	758.7	770.0	808.5	869.6	960.2	1044.0	1066.6	1073.4	1078.0
25°	837.9	833.4	817.5	810.7	840.2	905.9	1012.3	1114.2	1139.1	1145.9	1136.9
27.5°	1007.8	989.6	946.6	901.3	896.8	962.5	1082.5	1202.5	1229.7	1232.0	1200.3
30°	1220.6	1222.9	1152.7	1055.3	989.6	1023.6	1159.5	1313.5	1340.7	1329.3	1279.5
32.5°	1483.3	1472.0	1419.9	1279.5	1148.2	1118.7	1243.3	1429.0	1460.7	1442.6	1376.9
35°	1707.5	1714.3	1650.9	1526.4	1361.1	1265.9	1345.2	1558.1	1596.6	1564.9	1483.3
37.5°	1895.5	1904.6	1866.1	1764.2	1617.0	1467.5	1478.8	1709.8	1761.9	1730.2	1628.3
40°	2103.9	2110.6	2094.8	1983.8	1852.5	1707.5	1657.7	1884.2	1954.4	1911.4	1804.9
42.5°	2332.6	2357.5	2330.3	2242.0	2106.1	1981.6	1906.8	2097.1	2167.3	2140.1	1997.4
45°	2645.1	2647.4	2615.7	2527.3	2386.9	2285.0	2194.4	2323.5	2414.1	2380.1	2212.6
47.5°	2876.1	2891.9	2873.8	2812.7	2699.5	2631.5	2507.0	2572.6	2667.7	2624.7	2434.5
50°	3052.7	3095.8	3079.9	3098.0	3041.4	3012.0	2821.7	2830.8	2923.7	2887.4	2661.0
52.5°	3150.1	3204.5	3209.0	3301.8	3349.4	3421.9	3127.5	3113.9	3172.8	3141.1	2891.9
55°	3136.5	3150.1	3263.3	3433.2	3618.9	3784.2	3426.4	3369.8	3451.3	3363.0	3136.5
57.5°	3005.2	3039.2	3238.4	3449.1	3777.4	4017.5	3684.6	3621.2	3689.1	3571.3	3387.9
60°	2817.2	2867.0	3122.9	3424.1	3870.3	4157.9	3935.9	3872.5	3933.7	3791.0	3673.2
62.5°	2647.4	2670.0	2905.5	3320.0	3815.9	4151.1	4130.7	4071.8	4108.1	3958.6	3917.8
65°	2405.1	2414.1	2647.4	3132.0	3695.9	4105.8	4237.1	4259.8	4298.3	4099.0	4092.2
67.5°	2031.4	2051.8	2282.8	2803.6	3496.6	4017.5	4320.9	4366.2	4411.5	4173.7	4123.9
69°	1761.9	1827.6	2049.5	2527.3	3304.1	3942.7	4343.6	4416.1	4452.3	4194.1	4017.5
70°	1542.2	1598.8	1854.7	2314.5	3134.3	3859.0	4359.4	4409.3	4445.5	4151.1	3843.1
72.5°	774.5	847.0	1198.0	1689.4	2491.1	3476.2	4277.9	4223.6	4185.1	3818.2	3109.4
75°	298.9	310.3	514.1	962.5	1558.1	2552.3	3652.9	3551.0	3437.7	2896.5	1843.4
77.5°	165.3	163.1	224.2	425.8	663.5	1247.8	2470.7	2307.7	2151.4	1555.8	747.3
80°	70.2	74.7	97.4	203.8	348.8	432.5	1200.3	1066.6	849.2	493.7	178.9
82.5°	43.0	45.3	67.9	124.6	242.3	165.3	389.5	332.9	244.6	133.6	43.0
85°	13.6	15.9	47.6	83.8	117.8	67.9	88.3	77.0	67.9	56.6	13.6
87.5°	2.3	2.3	18.1	45.3	31.7	11.3	9.1	15.9	24.9	27.2	4.5
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°	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4
2.5°	760.9	756.4	751.9	749.6	749.6	745.1	742.8	740.5	740.5	738.3	738.3
5°	770.0	765.4	760.9	758.7	754.1	751.9	751.9	751.9	749.6	751.9	754.1
7.5°	792.6	785.8	783.6	781.3	781.3	774.5	763.2	733.7	704.3	695.2	686.2
10°	824.3	822.1	822.1	822.1	806.2	747.3	665.8	593.3	554.8	523.1	523.1
12.5°	869.6	869.6	867.4	860.6	779.0	636.4	509.5	400.8	337.4	301.2	305.7
15°	919.4	917.2	921.7	878.7	686.2	491.4	308.0	217.4	183.4	178.9	178.9
17.5°	971.5	976.1	971.5	831.1	563.9	303.5	183.4	165.3	160.8	160.8	160.8
20°	1025.9	1021.4	1014.6	749.6	409.9	190.2	158.5	154.0	149.5	147.2	147.2
22.5°	1080.2	1075.7	1030.4	645.4	255.9	156.3	149.5	140.4	133.6	131.3	131.3
25°	1132.3	1132.3	1001.0	511.8	174.4	147.2	135.9	126.8	120.0	113.2	113.2
27.5°	1198.0	1202.5	953.4	357.8	147.2	135.9	122.3	108.7	99.6	95.1	95.1
30°	1272.7	1279.5	876.4	233.3	133.6	120.0	106.4	90.6	77.0	72.5	70.2
32.5°	1361.1	1367.8	788.1	154.0	120.0	104.2	88.3	67.9	54.4	52.1	49.8
35°	1474.3	1458.4	681.7	122.3	104.2	88.3	67.9	47.6	38.5	36.2	36.2
37.5°	1614.7	1580.7	559.4	106.4	88.3	70.2	49.8	31.7	24.9	24.9	22.6
40°	1775.5	1680.4	432.5	95.1	74.7	54.4	31.7	20.4	15.9	15.9	15.9
42.5°	1952.1	1764.2	308.0	83.8	61.1	38.5	20.4	11.3	9.1	9.1	9.1
45°	2155.9	1841.2	210.6	72.5	52.1	27.2	11.3	4.5	4.5	4.5	4.5
47.5°	2359.8	1891.0	140.4	63.4	38.5	15.9	6.8	2.3	2.3	2.3	2.3
50°	2565.8	1929.5	108.7	54.4	27.2	9.1	2.3	0.0	0.0	0.0	0.0
52.5°	2749.3	1956.7	88.3	45.3	18.1	6.8	2.3	0.0	0.0	0.0	0.0
55°	2907.8	1958.9	77.0	36.2	13.6	4.5	0.0	0.0	0.0	0.0	0.0
57.5°	3068.6	1940.8	65.7	27.2	9.1	2.3	0.0	0.0	0.0	0.0	0.0
60°	3166.0	1893.2	52.1	20.4	6.8	2.3	0.0	0.0	0.0	0.0	0.0
62.5°	3224.9	1814.0	40.8	13.6	4.5	2.3	0.0	0.0	0.0	0.0	0.0
65°	3190.9	1714.3	29.4	9.1	4.5	2.3	0.0	0.0	0.0	0.0	0.0
67.5°	3032.4	1560.3	20.4	6.8	2.3	2.3	0.0	0.0	0.0	0.0	0.0
69°	2844.4	1419.9	18.1	4.5	2.3	2.3	0.0	0.0	0.0	0.0	0.0
70°	2679.1	1311.2	15.9	4.5	2.3	2.3	0.0	0.0	0.0	0.0	0.0
72.5°	1995.1	844.7	13.6	4.5	2.3	2.3	0.0	0.0	0.0	0.0	0.0
75°	1121.0	283.1	9.1	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	421.2	72.5	4.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	92.9	18.1	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	20.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)