

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: STREETWORKS

Report Number: P483285

Luminaire Tested: **IFLD-M-SA4A-750-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483285  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-750-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

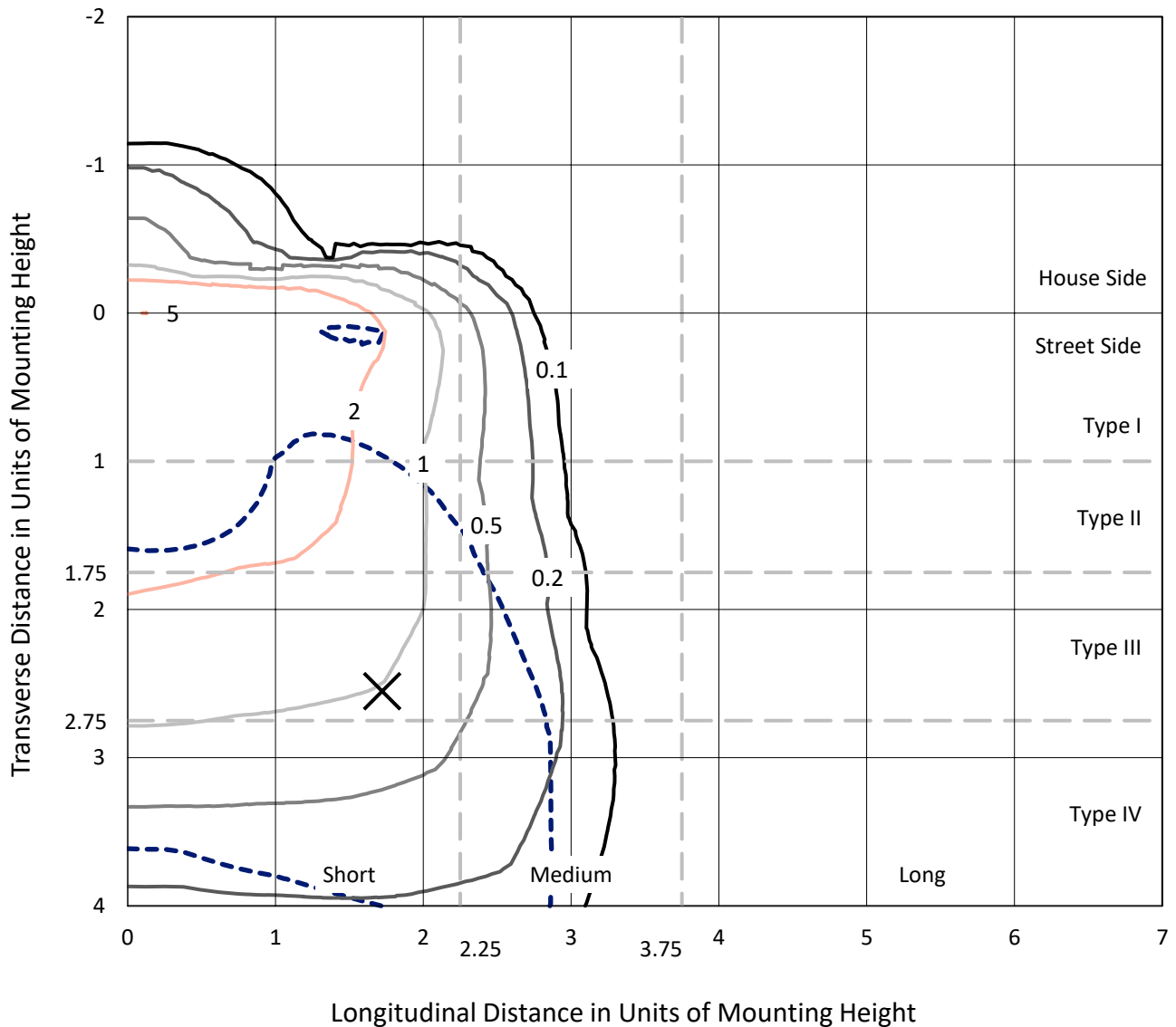
Lumens per Lamp: N/A  
Luminaire Lumens: 13659.3 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 128.6  
Input Voltage (V): 120  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

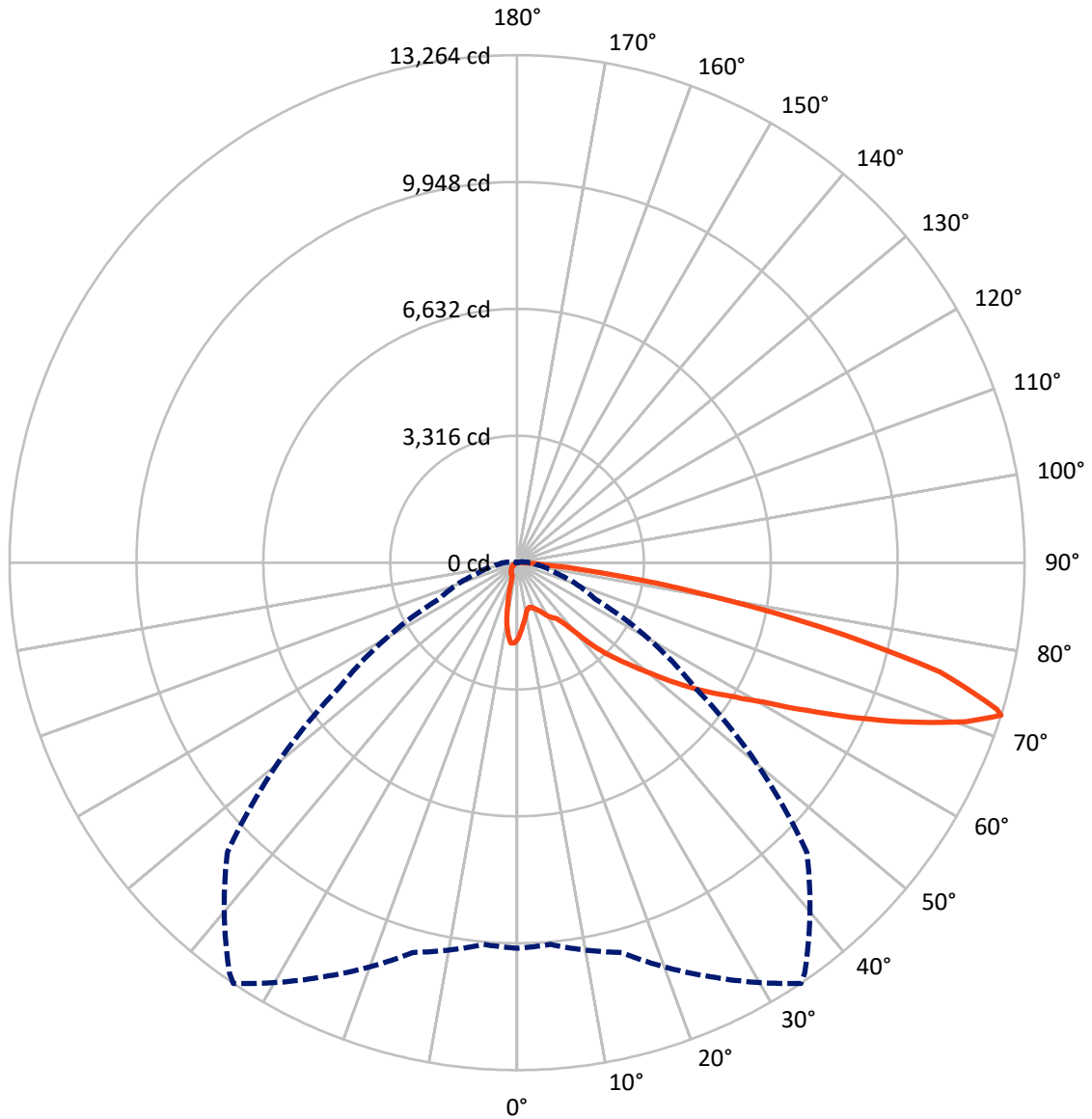
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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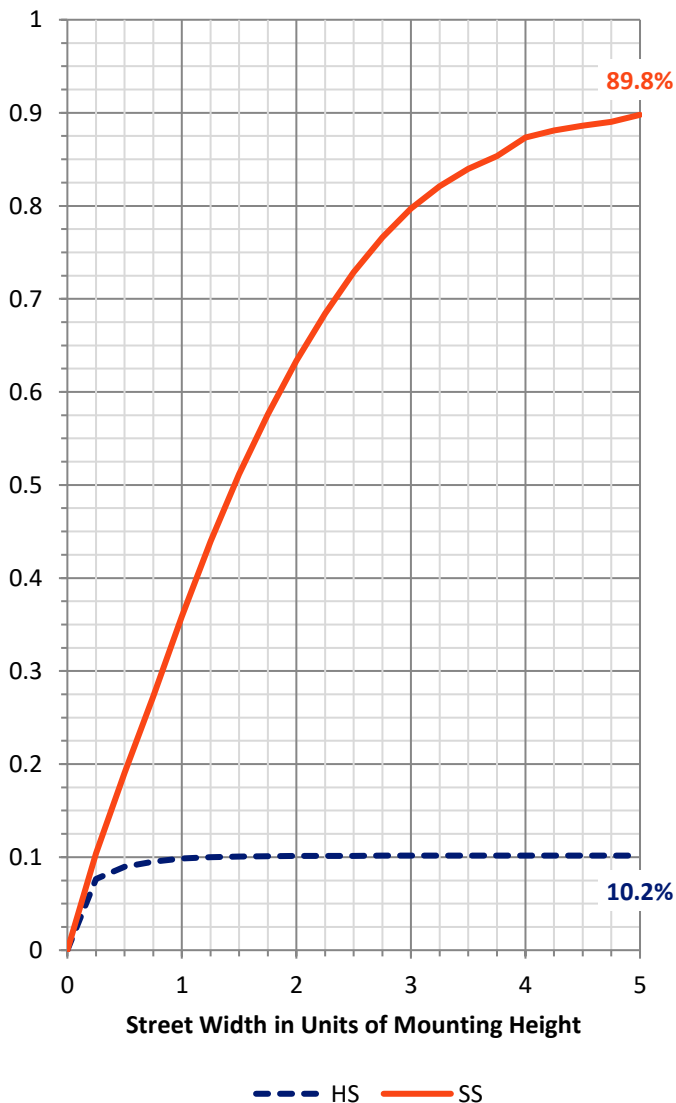
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1398.4	0.0	1398.4
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	12260.9	0.0	12260.9
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	13659.3	0.0	13659.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.5	1.3
10°-20°	392.7	2.9
20°-30°	592.8	4.3
30°-40°	962.0	7.0
40°-50°	1809.0	13.2
50°-60°	2957.8	21.7
60°-70°	3931.9	28.8
70°-80°	2633.2	19.3
80°-90°	206.3	1.5
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°	13659.3	100.0
0°-180°	13659.3	100.0



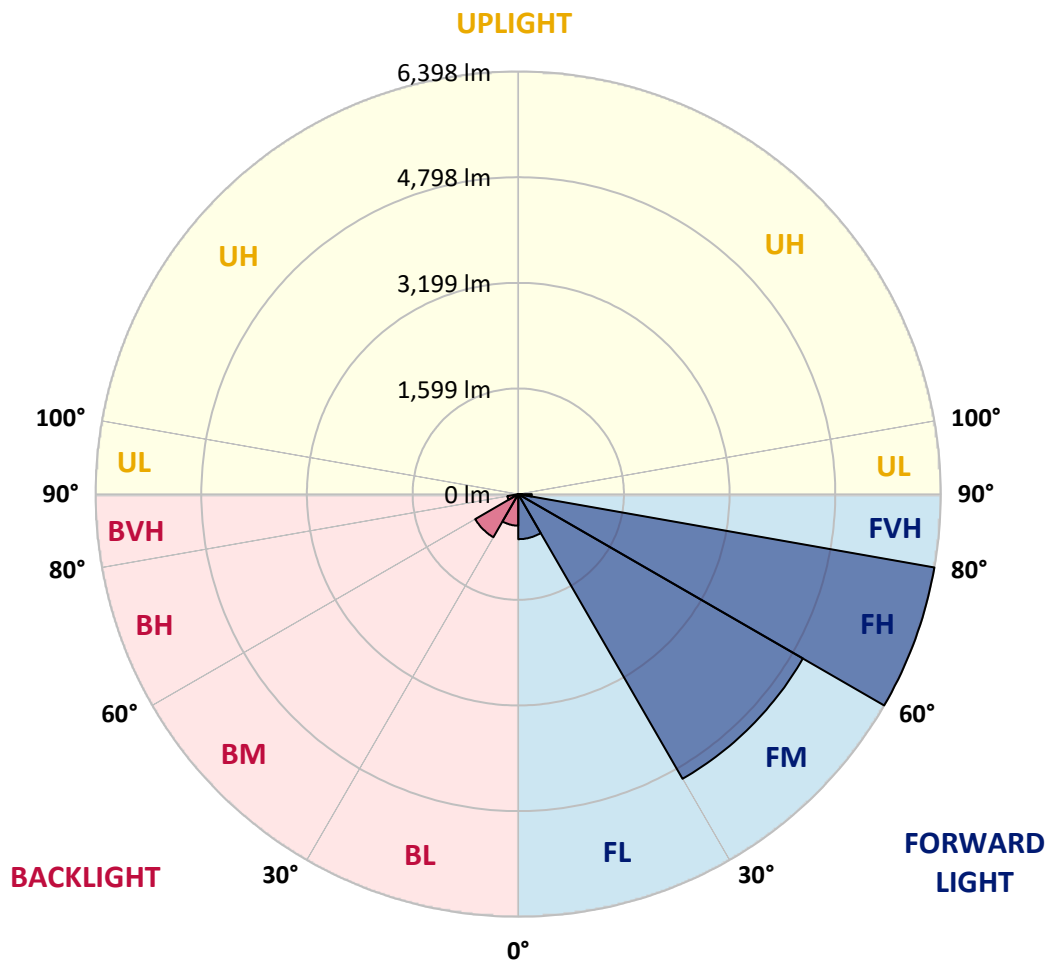
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	681.9	5.0			
FM (30°-60°)	4976.1	36.4			
FH (60°-80°)	6397.9	46.8			G3/7500
FVH (80°-90°)	205.0	1.5			G2/225
BL (0°-30°)	477.1	3.5	B1/500		
BM (30°-60°)	752.7	5.5	B1/1000		
BH (60°-80°)	167.2	1.2	B1/500		G1/500
BVH (80°-90°)	1.3	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-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1767.3	1763.4	1775.2	1795.0	1814.7	1806.8	1844.3	1883.8	1911.5	1949.0	1994.4
5°	1544.2	1554.1	1565.9	1605.4	1631.1	1637.0	1706.1	1757.5	1842.4	1929.3	2010.2
7.5°	1340.8	1352.7	1376.3	1419.8	1473.1	1486.9	1556.0	1658.7	1769.3	1883.8	2016.1
10°	1192.7	1204.6	1230.2	1257.9	1329.0	1329.0	1423.7	1565.9	1710.1	1844.3	2018.1
12.5°	1161.1	1167.0	1165.1	1186.8	1232.2	1242.1	1334.9	1490.9	1658.7	1830.5	2049.7
15°	1198.6	1202.6	1182.8	1171.0	1210.5	1220.3	1307.2	1445.5	1625.2	1838.4	2101.1
17.5°	1273.7	1259.8	1220.3	1202.6	1236.1	1242.1	1323.0	1443.5	1621.2	1860.1	2160.3
20°	1317.1	1332.9	1263.8	1230.2	1277.6	1285.5	1372.4	1475.1	1641.0	1897.7	2243.2
22.5°	1394.1	1402.0	1309.2	1287.5	1332.9	1332.9	1431.6	1538.3	1688.3	1958.9	2342.0
25°	1502.7	1492.9	1384.2	1362.5	1406.0	1423.7	1522.5	1639.0	1761.4	2016.1	2432.8
27.5°	1587.6	1593.6	1504.7	1447.4	1520.5	1532.3	1639.0	1747.6	1816.7	2063.5	2543.4
30°	1714.0	1702.2	1607.4	1542.2	1633.1	1635.0	1737.7	1850.3	1923.3	2148.4	2709.3
32.5°	1864.1	1840.4	1731.8	1639.0	1712.0	1729.8	1834.5	1998.4	2089.2	2308.4	2966.0
35°	2182.0	2124.7	1947.0	1802.9	1808.8	1816.7	1978.6	2213.6	2318.3	2511.8	3309.6
37.5°	2646.1	2622.4	2420.9	2146.5	2041.8	2018.1	2199.8	2498.0	2628.3	2780.3	3755.8
40°	3106.2	3072.6	2885.0	2677.7	2488.1	2440.7	2531.5	2875.1	2993.6	3153.6	4214.0
42.5°	3617.6	3558.4	3337.2	3169.4	3050.9	2999.5	2964.0	3349.0	3483.3	3591.9	4662.2
45°	4135.0	4038.2	3718.3	3590.0	3526.8	3499.1	3495.2	3945.4	4026.4	4048.1	5159.8
47.5°	4589.1	4484.5	4194.2	4050.1	4002.7	3994.8	4215.9	4632.6	4569.4	4512.1	5714.7
50°	4938.7	4871.5	4662.2	4610.9	4575.3	4561.5	5078.9	5339.5	5047.3	4946.6	6202.4
52.5°	5479.7	5329.6	5092.7	5110.5	5234.9	5236.8	5953.6	6010.9	5444.2	5244.7	6662.5
55°	5912.2	5813.4	5619.9	5594.2	5922.0	5957.6	6737.6	6520.4	5665.3	5529.1	6832.4
57.5°	6421.6	6376.2	6236.0	6240.0	6583.6	6658.6	7434.6	6950.8	5849.0	5712.7	6858.0
60°	7158.2	7027.9	6954.8	6988.4	7393.2	7466.2	8110.0	7260.9	5937.8	5833.2	6794.9
62.5°	7971.8	7819.7	7740.7	7912.5	8502.9	8514.8	8623.4	7535.4	5882.6	5864.8	6388.1
65°	8951.2	8801.1	8737.9	9083.5	9784.5	9741.1	9344.2	7651.9	5706.8	5546.9	5319.8
67.5°	9926.7	9835.8	9705.5	10256.5	11129.3	11129.3	10092.6	7608.4	5246.7	4452.9	3479.4
70°	10388.8	10451.9	10659.3	11524.2	12450.3	12355.5	10831.1	7108.8	3905.9	2391.3	1368.4
72°	10080.7	10015.5	10550.7	11938.9	13263.9	13107.9	10706.7	5651.5	2257.1	1048.6	475.9
72.5°	9551.5	9612.7	10349.3	11881.6	13111.8	13240.2	10402.6	5213.1	1856.2	835.3	359.4
75°	5856.9	5961.5	7724.9	10088.6	11425.5	11281.3	8046.8	2484.1	712.9	355.4	128.4
77.5°	2138.6	2225.5	3747.9	6348.6	8125.8	8034.9	4656.3	882.7	387.0	264.6	65.2
80°	556.9	602.3	1273.7	2928.4	4778.7	4784.6	1949.0	353.5	262.6	217.2	39.5
82.5°	110.6	122.4	391.0	1139.4	2233.4	2203.7	616.1	189.6	197.5	177.7	27.6
85°	13.8	17.8	82.9	387.0	722.7	647.7	152.0	94.8	146.1	138.2	17.8
87.5°	2.0	2.0	19.7	88.9	152.0	148.1	31.6	29.6	65.2	84.9	9.9
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°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2020.1	2028.0	2055.6	2079.3	2107.0	2114.9	2103.0	2122.8	2095.1	2110.9	2114.9
5°	2024.0	2069.5	2120.8	2154.4	2146.5	2126.7	2110.9	2057.6	2020.1	2006.3	2035.9
7.5°	2051.7	2103.0	2158.3	2158.3	2114.9	2012.2	1913.5	1818.7	1739.7	1700.2	1733.8
10°	2087.2	2140.5	2197.8	2122.8	1960.9	1773.3	1633.1	1455.3	1334.9	1271.7	1277.6
12.5°	2134.6	2209.7	2229.4	2055.6	1787.1	1508.7	1253.9	1007.1	892.6	801.7	803.7
15°	2195.8	2268.9	2209.7	1909.5	1565.9	1155.2	849.1	614.1	523.3	475.9	475.9
17.5°	2276.8	2332.1	2203.7	1775.2	1267.7	789.9	521.3	414.7	394.9	387.0	387.0
20°	2371.6	2413.1	2146.5	1565.9	941.9	507.5	383.1	371.2	373.2	369.3	369.3
22.5°	2478.2	2492.0	2081.3	1323.0	637.8	375.2	357.4	359.4	361.4	357.4	359.4
25°	2590.8	2553.3	1986.5	1038.7	424.6	341.6	345.6	349.5	351.5	353.5	353.5
27.5°	2717.2	2642.1	1854.2	760.2	331.7	321.9	333.7	345.6	347.5	347.5	345.6
30°	2902.8	2778.4	1725.9	515.4	292.3	300.2	319.9	333.7	343.6	343.6	341.6
32.5°	3137.8	2920.5	1546.2	351.5	270.5	274.5	290.3	317.9	339.6	341.6	335.7
35°	3463.6	3092.3	1358.6	280.4	254.7	256.7	266.6	288.3	325.8	337.7	335.7
37.5°	3807.2	3287.8	1125.6	252.8	242.9	240.9	246.8	264.6	298.2	327.8	329.8
40°	4172.5	3493.2	880.7	238.9	233.0	229.1	231.0	238.9	264.6	302.1	310.0
42.5°	4516.1	3678.8	661.5	225.1	223.1	219.2	219.2	221.2	235.0	260.7	264.6
45°	4887.3	3830.9	503.5	215.2	209.3	211.3	203.4	199.4	209.3	211.3	209.3
47.5°	5234.9	3982.9	402.8	203.4	197.5	197.5	187.6	179.7	179.7	161.9	159.9
50°	5560.7	4065.9	321.9	187.6	185.6	183.6	169.8	156.0	144.2	122.4	118.5
52.5°	5831.2	4061.9	248.8	167.8	173.8	167.8	146.1	126.4	108.6	88.9	84.9
55°	5912.2	3872.3	187.6	138.2	148.1	140.2	116.5	98.7	79.0	63.2	61.2
57.5°	5843.1	3584.0	142.2	106.6	114.5	106.6	88.9	73.1	55.3	43.4	39.5
60°	5612.0	3246.4	110.6	82.9	86.9	81.0	67.1	55.3	39.5	27.6	23.7
62.5°	5173.6	2823.8	84.9	65.2	63.2	63.2	51.3	41.5	27.6	15.8	13.8
65°	4245.5	2201.8	65.2	45.4	45.4	45.4	39.5	29.6	17.8	7.9	3.9
67.5°	2665.8	1281.6	53.3	35.5	33.6	33.6	27.6	19.7	9.9	2.0	0.0
70°	1003.1	470.0	41.5	27.6	25.7	25.7	19.7	11.8	5.9	0.0	0.0
72°	345.6	179.7	33.6	19.7	19.7	17.8	13.8	9.9	3.9	0.0	0.0
72.5°	284.4	144.2	31.6	19.7	17.8	17.8	13.8	9.9	3.9	0.0	0.0
75°	102.7	59.2	21.7	13.8	11.8	11.8	9.9	5.9	2.0	0.0	0.0
77.5°	51.3	37.5	17.8	11.8	9.9	5.9	5.9	3.9	2.0	0.0	0.0
80°	31.6	23.7	9.9	7.9	5.9	3.9	2.0	2.0	0.0	0.0	0.0
82.5°	21.7	13.8	5.9	5.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0
85°	13.8	5.9	3.9	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	3.9	2.0	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)