

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: P594135

Luminaire Tested: **ISC-PA1C-730-U-T4W**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594135  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/22/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: ISC-PA1C-730-U-T4W  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6189 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

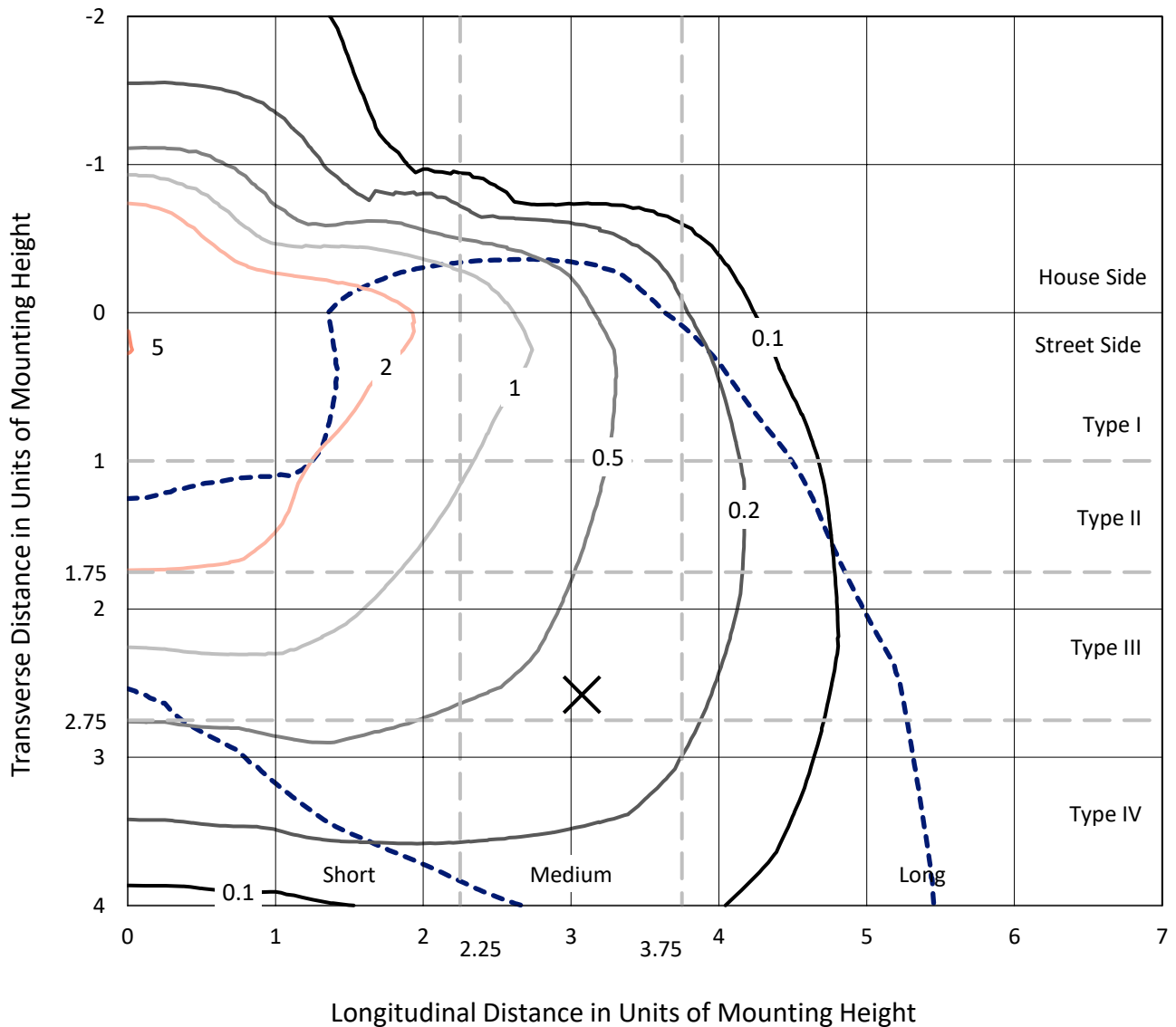
Input Watts (W): 48.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

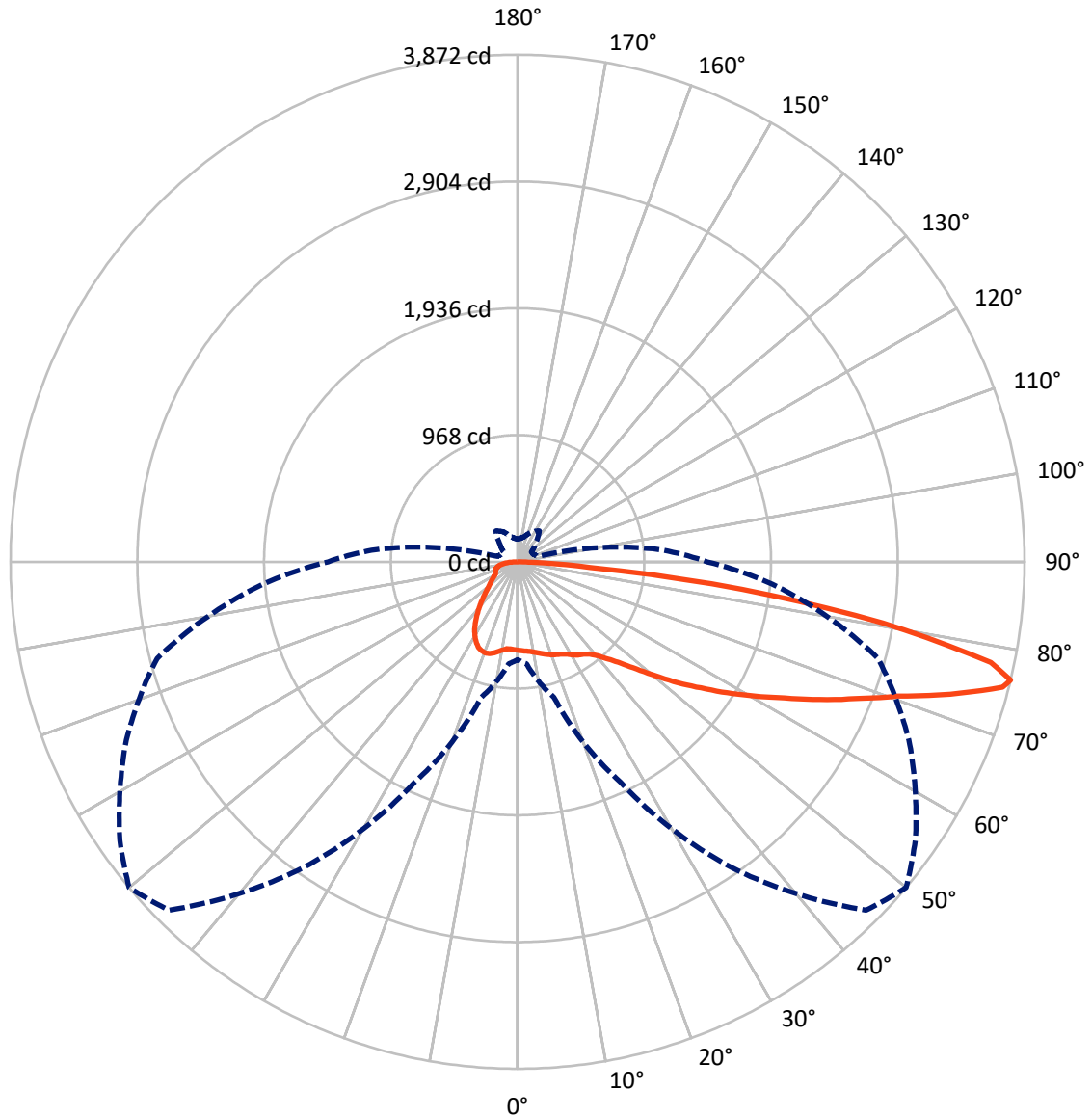
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 76-Deg Vertical

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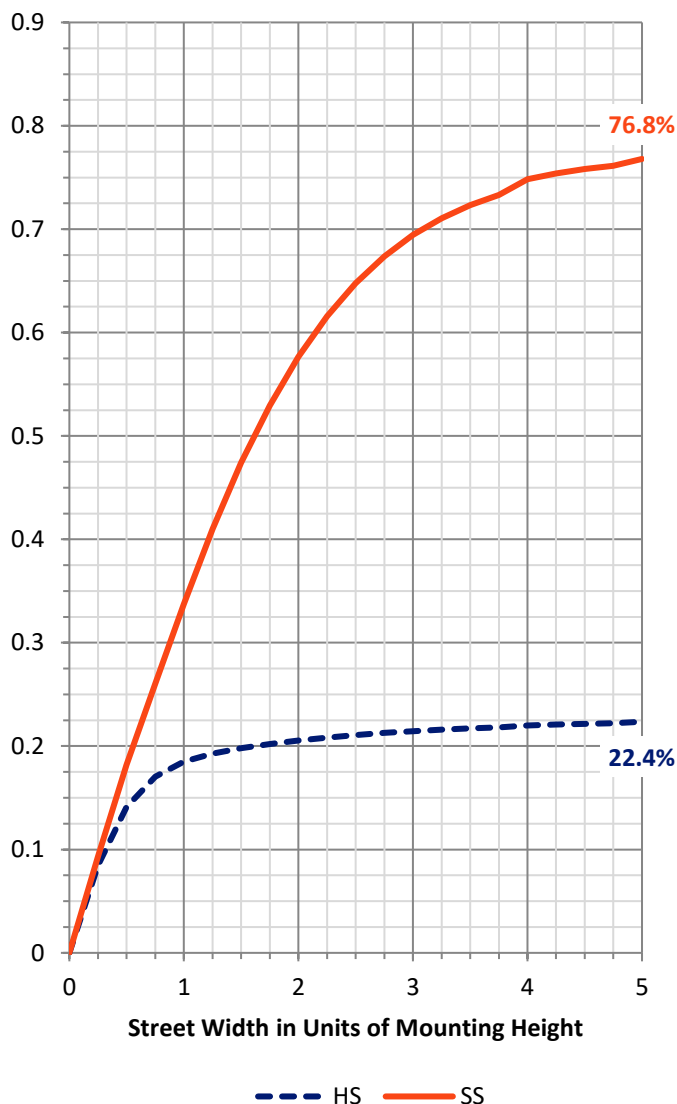
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1415.8	0.0	1415.8
	% Fixture	22.9	0.0	22.9
<b>Street Side</b>	Lumens	4773.2	0.0	4773.2
	% Fixture	77.1	0.0	77.1
<b>Total</b>	Lumens	6189.0	0.0	6189.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.5	1.1
10°-20°	205.9	3.3
20°-30°	347.9	5.6
30°-40°	476.8	7.7
40°-50°	702.3	11.3
50°-60°	1104.8	17.9
60°-70°	1590.2	25.7
70°-80°	1445.9	23.4
80°-90°	249.6	4.0
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°	6189.0	100.0
0°-180°	6189.0	100.0

**Coefficient of Utilization**

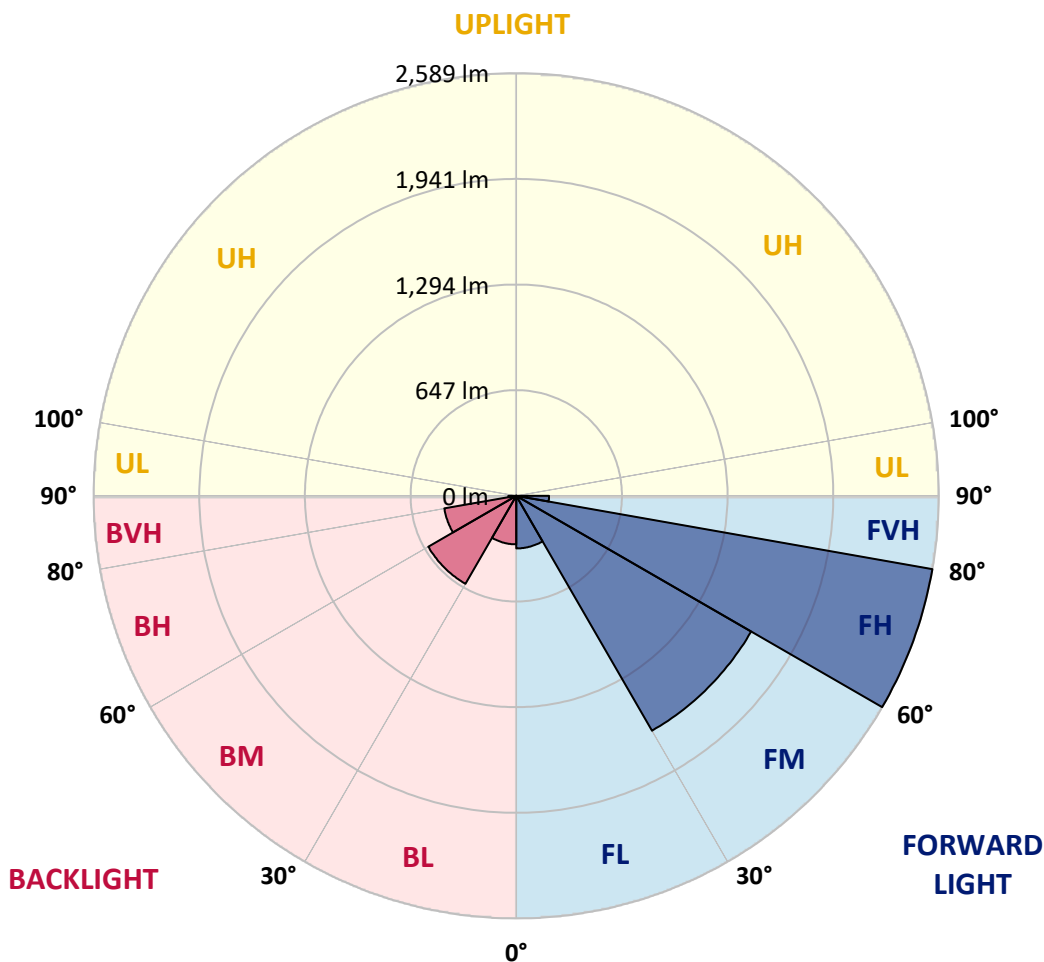


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	322.1	5.2			
FM (30°-60°)	1661.6	26.8			
FH (60°-80°)	2588.5	41.8			G2/5000
FVH (80°-90°)	200.9	3.2			G2/225
BL (0°-30°)	297.2	4.8	B1/500		
BM (30°-60°)	622.3	10.1	B1/1000		
BH (60°-80°)	447.6	7.2	B1/500		G1/500
BVH (80°-90°)	48.7	0.8			G1/100
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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6
2.5°	689.7	689.7	691.3	688.2	688.2	680.7	680.7	679.1	676.1	674.6	671.6
5°	715.5	715.5	711.0	703.4	698.8	689.7	685.2	682.2	676.1	668.5	660.9
7.5°	742.8	739.8	736.7	724.6	715.5	698.8	691.3	686.7	674.6	664.0	659.4
10°	771.6	767.1	759.5	744.3	730.7	711.0	701.9	695.8	682.2	673.1	662.5
12.5°	788.3	788.3	779.2	761.0	742.8	718.5	714.0	706.4	692.8	680.7	670.0
15°	805.0	806.5	797.4	776.2	754.9	736.7	729.2	724.6	709.5	691.3	677.6
17.5°	821.6	820.1	811.0	786.8	764.0	747.4	742.8	736.7	721.6	704.9	691.3
20°	833.8	830.7	827.7	797.4	774.6	764.0	758.0	753.4	738.3	720.1	701.9
22.5°	836.8	839.8	836.8	800.4	782.2	770.1	768.6	764.0	751.9	735.2	717.0
25°	838.3	839.8	844.4	809.5	792.8	783.7	780.7	777.7	768.6	754.9	730.7
27.5°	845.9	847.4	847.4	815.6	806.5	800.4	797.4	797.4	792.8	776.2	751.9
30°	847.4	848.9	852.0	830.7	827.7	823.1	824.7	823.1	815.6	797.4	770.1
32.5°	858.0	859.5	867.1	839.8	842.9	847.4	848.9	847.4	832.2	817.1	794.3
35°	892.9	891.4	897.4	862.6	859.5	861.0	865.6	864.1	858.0	844.4	829.2
37.5°	1005.1	1005.1	988.4	915.6	892.9	889.8	892.9	900.5	902.0	889.8	877.7
40°	1202.1	1191.5	1182.4	1024.8	952.0	933.8	942.9	947.5	959.6	959.6	959.6
42.5°	1405.3	1406.8	1403.7	1194.5	1058.1	1012.6	1014.2	1024.8	1050.5	1055.1	1068.7
45°	1585.7	1596.3	1619.0	1391.6	1214.3	1112.7	1102.1	1112.7	1149.1	1179.4	1214.3
47.5°	1726.6	1714.5	1764.5	1597.8	1393.1	1249.1	1221.8	1224.9	1274.9	1323.4	1378.0
50°	1847.9	1850.9	1873.7	1808.5	1619.0	1403.7	1367.4	1361.3	1432.5	1484.1	1576.6
52.5°	1984.3	1975.3	2008.6	1993.4	1838.8	1593.2	1535.6	1517.4	1594.8	1667.5	1767.6
55°	2049.5	2058.6	2126.8	2164.7	2046.5	1763.0	1699.4	1705.4	1787.3	1864.6	2004.1
57.5°	2164.7	2173.8	2252.7	2331.5	2231.4	1943.4	1887.3	1887.3	1979.8	2066.2	2281.5
60°	2322.4	2323.9	2404.3	2540.7	2393.6	2117.7	2081.4	2079.9	2179.9	2280.0	2608.9
62.5°	2392.1	2410.3	2530.1	2707.4	2605.9	2331.5	2289.0	2301.2	2390.6	2507.3	2974.2
65°	2298.1	2337.6	2587.7	2819.6	2795.4	2554.3	2537.7	2554.3	2608.9	2734.7	3360.8
67.5°	1987.4	2040.4	2481.6	2895.4	2947.0	2812.0	2787.8	2784.8	2819.6	2960.6	3604.9
70°	1826.7	1858.5	2201.1	2924.2	3068.2	3072.8	3072.8	3053.1	3048.5	3151.6	3627.6
72.5°	1503.8	1537.1	1857.0	2763.5	3183.4	3421.4	3456.3	3383.5	3271.4	3250.1	3247.1
75°	1071.8	1096.0	1371.9	2173.8	3036.4	3756.5	3826.2	3685.2	3372.9	3034.9	2367.9
76°	747.4	782.2	1071.8	1857.0	2851.5	3762.5	3871.7	3708.0	3304.7	2849.9	1951.0
77.5°	379.0	391.1	620.0	1247.6	2386.1	3589.7	3695.8	3512.4	3007.6	2302.7	1238.5
80°	144.0	148.6	221.3	454.8	1309.8	2787.8	2828.7	2581.6	1990.4	983.8	445.7
82.5°	75.8	78.8	124.3	224.4	538.2	1532.6	1729.7	1440.1	780.7	295.6	130.4
85°	37.9	40.9	72.8	136.4	266.8	479.0	554.8	524.5	259.2	112.2	48.5
87.5°	15.2	18.2	36.4	60.6	107.6	94.0	104.6	134.9	83.4	53.1	16.7
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°	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6
2.5°	671.6	670.0	671.6	670.0	671.6	671.6	673.1	670.0	670.0	673.1	668.5
5°	660.9	659.4	660.9	664.0	665.5	668.5	674.6	673.1	676.1	679.1	680.7
7.5°	656.4	654.9	659.4	660.9	665.5	671.6	680.7	686.7	689.7	695.8	692.8
10°	660.9	660.9	667.0	671.6	679.1	686.7	694.3	700.4	707.9	712.5	711.0
12.5°	668.5	667.0	677.6	683.7	694.3	701.9	707.9	711.0	717.0	723.1	721.6
15°	676.1	677.6	692.8	704.9	717.0	720.1	721.6	718.5	721.6	724.6	724.6
17.5°	691.3	692.8	709.5	723.1	733.7	730.7	723.1	715.5	715.5	717.0	718.5
20°	703.4	706.4	726.1	738.3	744.3	732.2	720.1	711.0	706.4	707.9	706.4
22.5°	717.0	723.1	742.8	748.9	739.8	724.6	709.5	697.3	697.3	698.8	698.8
25°	733.7	736.7	750.4	747.4	730.7	707.9	695.8	691.3	689.7	691.3	692.8
27.5°	748.9	750.4	758.0	736.7	704.9	680.7	676.1	677.6	679.1	680.7	682.2
30°	768.6	771.6	764.0	721.6	673.1	645.8	645.8	654.9	657.9	662.5	660.9
32.5°	792.8	795.9	773.1	701.9	632.1	604.9	606.4	620.0	629.1	632.1	633.7
35°	833.8	827.7	779.2	674.6	588.2	554.8	556.3	573.0	585.1	589.7	586.7
37.5°	883.8	882.3	788.3	639.7	533.6	503.3	504.8	512.4	524.5	526.0	527.5
40°	967.2	955.0	803.4	594.2	479.0	450.2	447.2	451.7	450.2	453.3	454.8
42.5°	1086.9	1055.1	823.1	542.7	430.5	400.2	397.2	389.6	380.5	371.4	366.9
45°	1227.9	1177.9	847.4	489.6	380.5	353.2	345.6	336.5	318.3	298.6	292.6
47.5°	1409.8	1314.3	874.7	436.6	333.5	312.3	306.2	292.6	271.4	248.6	244.1
50°	1596.3	1475.0	902.0	392.6	295.6	283.5	277.4	263.8	236.5	215.3	210.7
52.5°	1813.0	1634.2	930.8	353.2	262.3	262.3	257.7	236.5	210.7	191.0	188.0
55°	2063.2	1797.9	976.3	315.3	238.0	244.1	238.0	216.8	192.5	178.9	177.4
57.5°	2361.8	2005.6	1033.9	274.4	216.8	221.3	221.3	206.2	189.5	180.4	178.9
60°	2662.0	2216.3	1070.2	244.1	200.1	204.6	213.7	206.2	195.6	191.0	189.5
62.5°	2950.0	2431.5	1008.1	218.3	183.4	197.1	219.8	221.3	210.7	212.2	212.2
65°	3165.3	2595.3	815.6	195.6	172.8	201.6	238.0	239.5	221.3	216.8	215.3
67.5°	3239.5	2640.7	548.8	180.4	166.8	204.6	259.2	253.2	221.3	212.2	207.7
70°	3098.6	2474.0	356.2	166.8	157.7	201.6	275.9	260.7	219.8	206.2	200.1
72.5°	2598.3	2110.2	238.0	154.6	148.6	198.6	286.5	260.7	215.3	195.6	189.5
75°	1804.0	1441.6	177.4	139.5	134.9	194.0	289.5	256.2	204.6	183.4	178.9
76°	1447.7	1080.9	160.7	133.4	128.9	191.0	288.0	251.6	197.1	177.4	172.8
77.5°	914.1	621.5	134.9	122.8	119.8	184.9	282.0	241.0	186.5	166.8	162.2
80°	319.9	227.4	103.1	100.1	101.6	171.3	265.3	219.8	165.2	147.0	141.0
82.5°	127.3	104.6	77.3	77.3	80.3	147.0	239.5	194.0	144.0	121.3	112.2
85°	50.0	45.5	54.6	54.6	57.6	119.8	200.1	151.6	98.5	75.8	72.8
87.5°	15.2	21.2	24.3	25.8	27.3	60.6	113.7	66.7	44.0	31.8	25.8
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)