

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: P594160

Luminaire Tested: **ISC-PA1C-750-U-T3**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P594160  
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: ISC-PA1C-750-U-T3  
Description: IMPACT ELITE LED CYLINDER LUMINAIRE  
(1) 70 CRI, 5000K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6842 lumens  
Efficiency: N/A  
Efficacy: 139.9 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

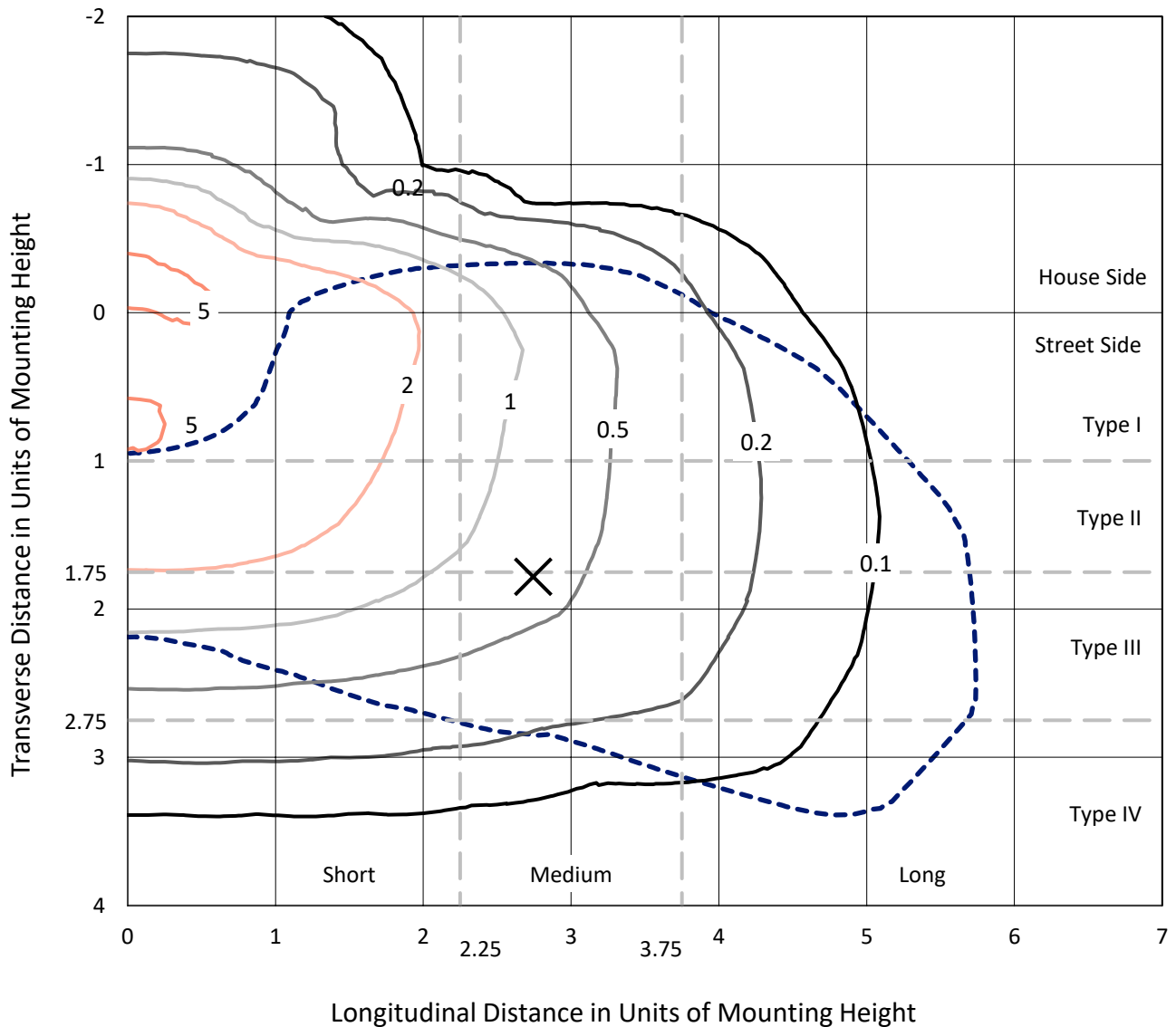
Input Watts (W): 48.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

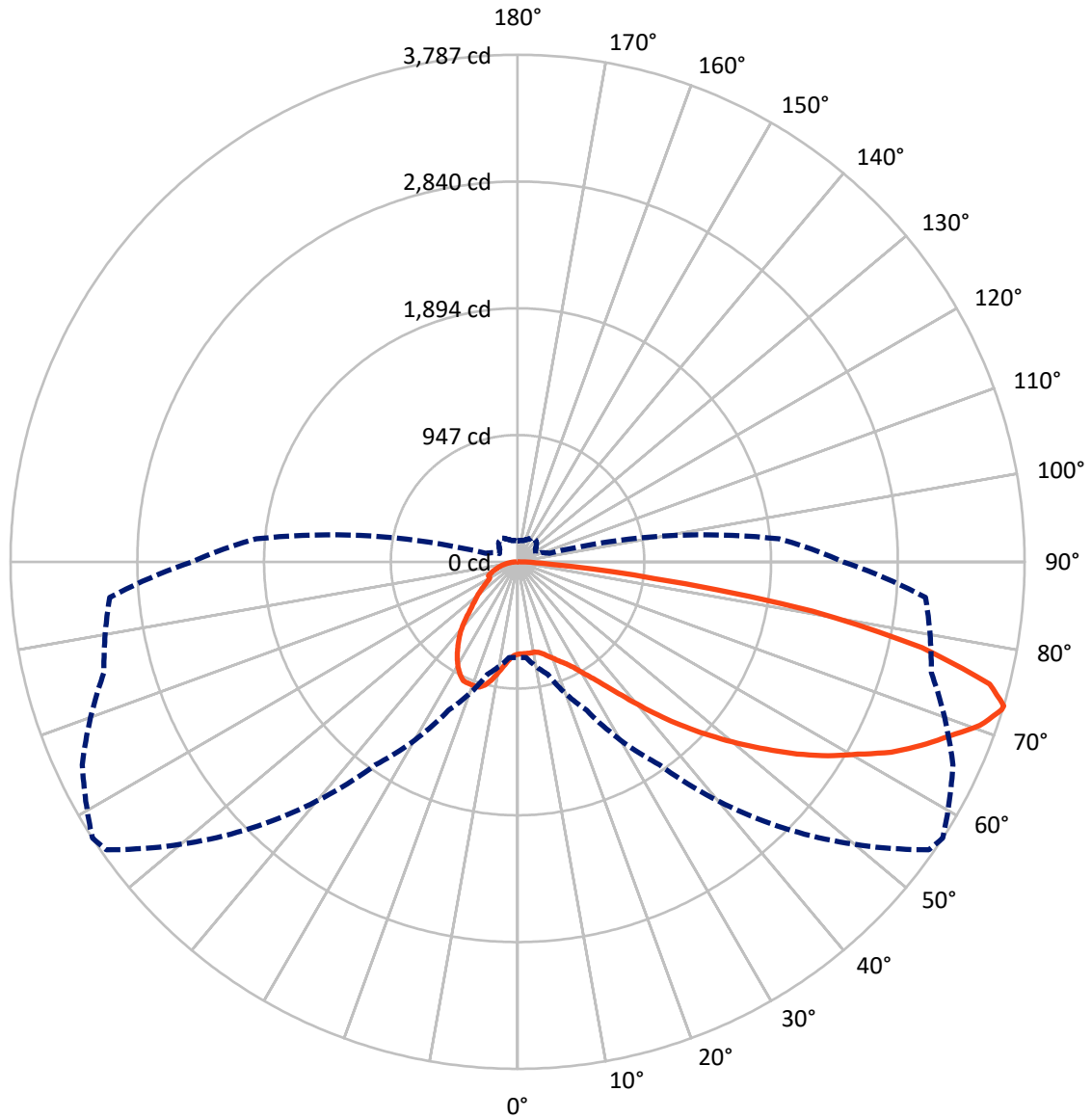
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.9 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



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



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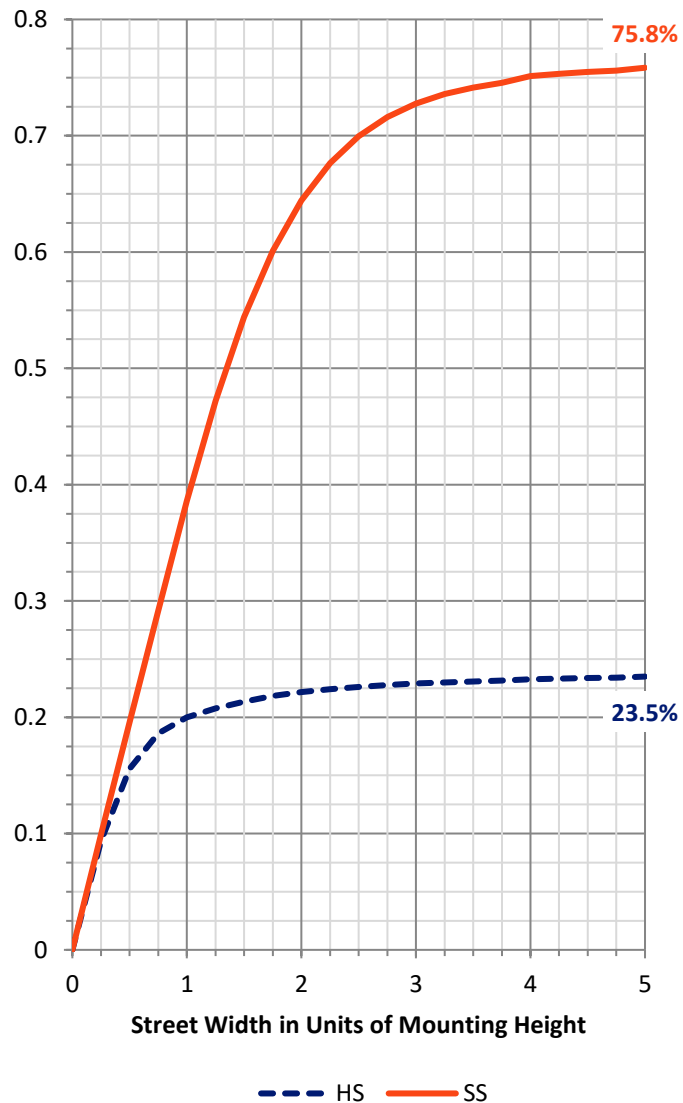
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1632.3	0.0	1632.3
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	5209.7	0.0	5209.7
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	6842.0	0.0	6842.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.8	1.0
10°-20°	226.4	3.3
20°-30°	417.9	6.1
30°-40°	645.2	9.4
40°-50°	971.2	14.2
50°-60°	1421.5	20.8
60°-70°	1678.6	24.5
70°-80°	1201.8	17.6
80°-90°	210.6	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°	6842.0	100.0
0°-180°	6842.0	100.0

**Coefficient of Utilization**

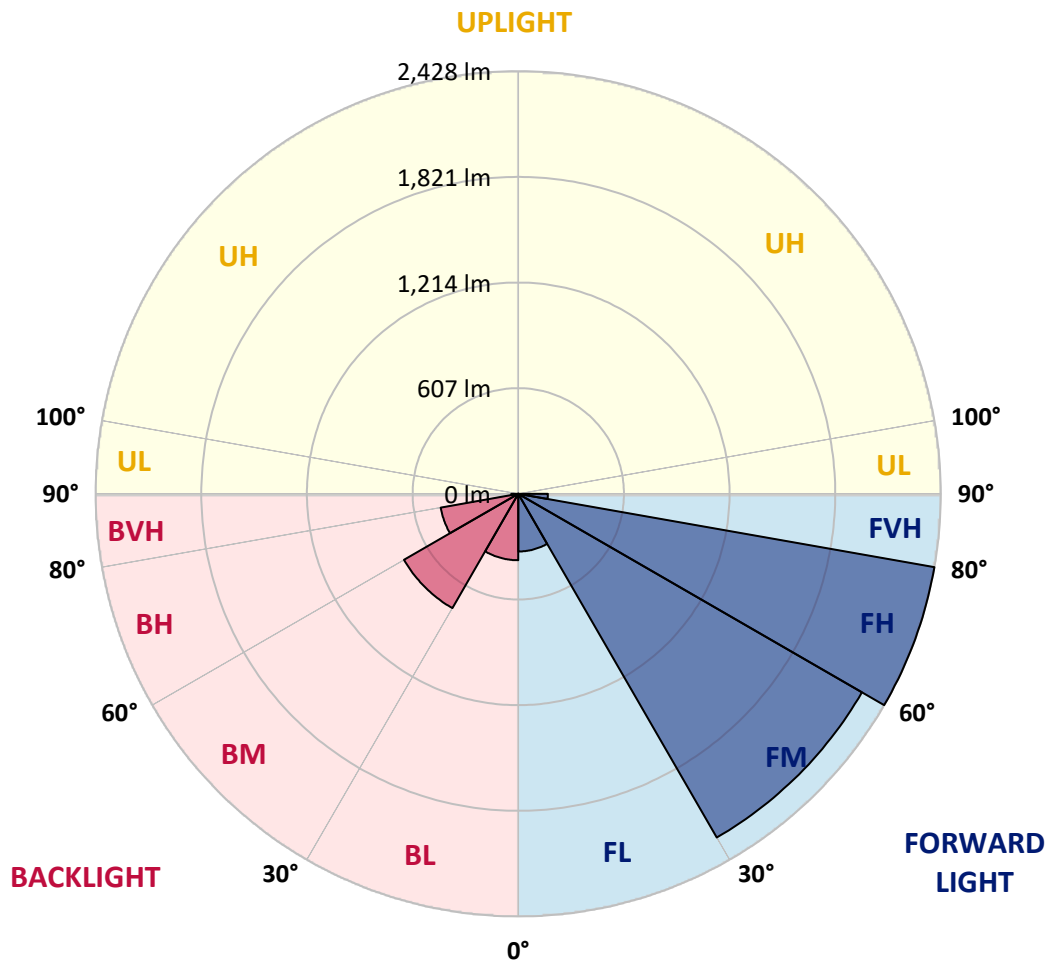


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.5	4.8			
FM (30°-60°)	2279.9	33.3			
FH (60°-80°)	2427.9	35.5			G2/5000
FVH (80°-90°)	170.4	2.5			G2/225
BL (0°-30°)	381.5	5.6	B1/500		
BM (30°-60°)	758.0	11.1	B1/1000		
BH (60°-80°)	452.6	6.6	B1/500		G1/500
BVH (80°-90°)	40.2	0.6			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°	55°	57°	65°	75°	85°
0°	689.3	689.3	689.3	689.3	689.3	689.3	689.3	689.3	689.3	689.3	689.3
2.5°	680.9	684.3	682.6	684.3	689.3	686.0	686.0	687.7	689.3	687.7	691.0
5°	652.4	654.1	657.5	664.2	675.9	679.3	687.7	687.7	691.0	694.4	699.4
7.5°	605.5	608.8	615.5	622.2	642.4	662.5	684.3	687.7	699.4	707.8	711.1
10°	597.1	600.4	602.1	612.2	632.3	652.4	679.3	686.0	707.8	721.2	736.3
12.5°	588.7	592.1	597.1	610.5	635.7	657.5	686.0	692.7	719.5	746.4	764.8
15°	595.4	597.1	602.1	615.5	640.7	670.9	707.8	712.8	743.0	776.5	805.1
17.5°	612.2	613.9	612.2	623.9	647.4	682.6	732.9	741.3	778.2	811.8	840.3
20°	650.8	652.4	645.7	645.7	662.5	697.7	759.8	771.5	816.8	853.7	882.2
22.5°	734.6	731.3	714.5	692.7	692.7	721.2	790.0	806.7	863.8	894.0	919.1
25°	853.7	853.7	826.9	786.6	759.8	756.4	825.2	843.6	910.7	947.6	962.7
27.5°	997.9	999.6	956.0	902.3	850.3	825.2	875.5	894.0	969.4	1008.0	1013.0
30°	1125.4	1127.1	1083.5	1033.2	969.4	914.1	942.6	962.7	1049.9	1080.1	1063.4
32.5°	1252.9	1254.6	1224.4	1155.6	1088.5	1019.7	1028.1	1039.9	1128.8	1157.3	1130.4
35°	1363.6	1368.6	1338.4	1286.4	1216.0	1153.9	1138.8	1140.5	1221.0	1239.5	1204.2
37.5°	1475.9	1475.9	1457.5	1408.9	1348.5	1279.7	1259.6	1264.6	1336.7	1355.2	1304.9
40°	1618.5	1625.2	1615.2	1554.8	1486.0	1429.0	1408.9	1415.6	1494.4	1484.3	1430.7
42.5°	1791.3	1806.4	1789.6	1724.2	1650.4	1586.6	1586.6	1586.6	1653.7	1655.4	1574.9
45°	2012.7	2012.7	1995.9	1938.9	1841.6	1777.8	1756.0	1761.1	1819.8	1826.5	1732.6
47.5°	2197.1	2213.9	2195.5	2153.5	2076.4	2016.0	1947.2	1938.9	1987.5	1987.5	1907.0
50°	2346.4	2376.6	2361.5	2380.0	2324.6	2294.4	2153.5	2130.1	2146.8	2163.6	2074.7
52.5°	2470.5	2494.0	2489.0	2542.7	2569.5	2586.3	2363.2	2326.3	2339.7	2338.0	2257.5
55°	2478.9	2487.3	2562.8	2683.5	2789.2	2868.0	2574.5	2534.3	2520.9	2514.1	2452.1
57.5°	2430.3	2435.3	2586.3	2728.8	2958.6	3049.2	2774.1	2733.9	2715.4	2691.9	2666.8
60°	2312.9	2338.0	2535.9	2755.7	3059.2	3190.1	2960.3	2918.4	2904.9	2854.6	2911.6
62.5°	2163.6	2175.3	2373.3	2700.3	3072.7	3250.4	3156.5	3131.4	3089.4	3017.3	3129.7
65°	1952.3	1950.6	2125.0	2537.6	3003.9	3280.6	3322.6	3309.1	3257.1	3133.0	3324.2
67.5°	1603.4	1642.0	1813.1	2249.1	2837.8	3310.8	3492.0	3475.2	3393.0	3237.0	3416.5
70°	1222.7	1246.2	1440.7	1816.4	2507.4	3228.6	3658.0	3663.0	3513.8	3258.8	3376.2
72.5°	779.9	820.2	974.5	1323.3	2007.6	2923.4	3757.0	3780.4	3580.8	3228.6	3126.3
73°	714.5	717.8	868.8	1224.4	1851.6	2814.4	3750.2	3787.1	3587.6	3198.4	3057.6
75°	426.0	444.5	535.0	813.4	1321.6	2260.9	3569.1	3642.9	3552.3	3064.3	2680.2
77.5°	199.6	213.0	263.3	429.4	719.5	1360.2	3000.5	3087.7	3148.1	2681.9	2042.8
80°	105.7	107.3	129.1	216.4	385.8	560.2	2091.5	2235.7	2321.3	2019.4	1373.6
82.5°	88.9	88.9	100.6	139.2	246.6	218.0	862.1	1026.5	1257.9	994.6	540.1
85°	72.1	73.8	100.6	104.0	176.1	112.4	206.3	258.3	488.1	439.4	60.4
87.5°	23.5	26.8	57.0	73.8	93.9	43.6	52.0	57.0	57.0	83.9	20.1
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°	689.3	689.3	689.3	689.3	689.3	689.3	689.3	689.3	689.3	689.3	689.3
2.5°	692.7	692.7	694.4	696.0	699.4	699.4	702.8	704.4	707.8	709.5	704.4
5°	699.4	702.8	706.1	716.2	727.9	738.0	748.0	756.4	764.8	769.8	768.2
7.5°	717.8	722.9	736.3	754.7	778.2	793.3	808.4	823.5	830.2	833.6	833.6
10°	743.0	753.1	778.2	808.4	835.3	858.7	870.5	880.5	883.9	887.2	883.9
12.5°	778.2	791.6	830.2	868.8	899.0	910.7	909.0	895.6	877.2	873.8	870.5
15°	823.5	840.3	883.9	929.2	952.7	937.6	899.0	885.6	882.2	892.3	888.9
17.5°	862.1	882.2	935.9	982.8	977.8	925.8	914.1	920.8	917.4	919.1	919.1
20°	899.0	927.5	984.5	1016.4	972.8	939.2	929.2	920.8	910.7	914.1	910.7
22.5°	945.9	966.1	1031.5	1033.2	966.1	939.2	917.4	900.7	897.3	899.0	900.7
25°	982.8	1014.7	1071.7	1021.4	966.1	912.4	882.2	878.9	880.5	890.6	887.2
27.5°	1033.2	1065.0	1103.6	1014.7	925.8	868.8	857.1	855.4	843.6	847.0	847.0
30°	1080.1	1118.7	1120.4	1014.7	875.5	831.9	815.1	784.9	759.8	764.8	763.1
32.5°	1143.9	1177.4	1123.7	974.5	818.5	783.3	738.0	691.0	679.3	686.0	687.7
35°	1217.7	1244.5	1127.1	907.4	761.5	714.5	632.3	605.5	603.8	608.8	613.9
37.5°	1314.9	1330.0	1152.2	830.2	706.1	607.2	543.4	536.7	521.6	511.5	513.2
40°	1434.0	1415.6	1200.9	761.5	640.7	509.9	483.0	464.6	436.1	407.6	412.6
42.5°	1566.5	1514.5	1216.0	706.1	551.8	449.5	424.3	395.8	360.6	330.4	328.7
45°	1709.1	1625.2	1202.6	662.5	462.9	404.2	377.4	343.8	301.9	276.7	276.7
47.5°	1878.5	1730.9	1160.6	627.3	400.9	364.0	330.4	296.9	268.4	244.9	244.9
50°	2064.6	1853.3	1130.4	565.2	357.2	325.4	291.8	265.0	243.2	224.7	224.7
52.5°	2260.9	1969.0	1105.3	474.7	318.7	290.2	266.7	244.9	226.4	202.9	199.6
55°	2460.5	2079.7	1117.0	387.4	283.4	265.0	249.9	228.1	221.4	216.4	213.0
57.5°	2668.4	2200.5	1145.5	317.0	253.3	251.6	244.9	260.0	275.1	265.0	260.0
60°	2831.1	2294.4	1148.9	266.7	234.8	265.0	298.5	303.6	263.3	239.8	238.2
62.5°	2960.3	2383.3	1070.1	231.5	239.8	312.0	318.7	268.4	228.1	218.0	218.0
65°	3027.4	2415.2	860.4	211.3	249.9	298.5	288.5	241.5	213.0	211.3	211.3
67.5°	2993.8	2390.0	602.1	189.5	221.4	258.3	258.3	221.4	196.2	204.6	201.3
70°	2832.8	2265.9	397.5	171.1	194.6	233.1	239.8	206.3	182.8	187.8	182.8
72.5°	2497.4	2044.5	261.6	150.9	167.7	206.3	223.1	189.5	167.7	166.0	161.0
73°	2432.0	1960.7	246.6	147.6	162.7	199.6	218.0	186.2	164.4	159.3	156.0
75°	2063.0	1635.3	186.2	132.5	144.2	179.5	202.9	174.4	150.9	144.2	140.9
77.5°	1502.8	1133.8	139.2	112.4	120.8	156.0	179.5	159.3	134.2	125.8	124.1
80°	937.6	617.2	104.0	90.6	95.6	130.8	157.7	142.6	115.7	105.7	104.0
82.5°	367.3	201.3	72.1	67.1	70.4	99.0	132.5	124.1	97.3	88.9	83.9
85°	60.4	68.8	47.0	45.3	45.3	70.4	100.6	95.6	65.4	57.0	50.3
87.5°	16.8	31.9	18.4	16.8	16.8	30.2	55.3	43.6	26.8	21.8	20.1
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)