

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: P594628

Luminaire Tested: **ISS-PA1C-730-U-T3**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594628
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: ISS-PA1C-730-U-T3
Description: IMPACT ELITE LED QUARTER SPHERE LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6231 lumens
Efficiency: N/A
Efficacy: 127.4 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

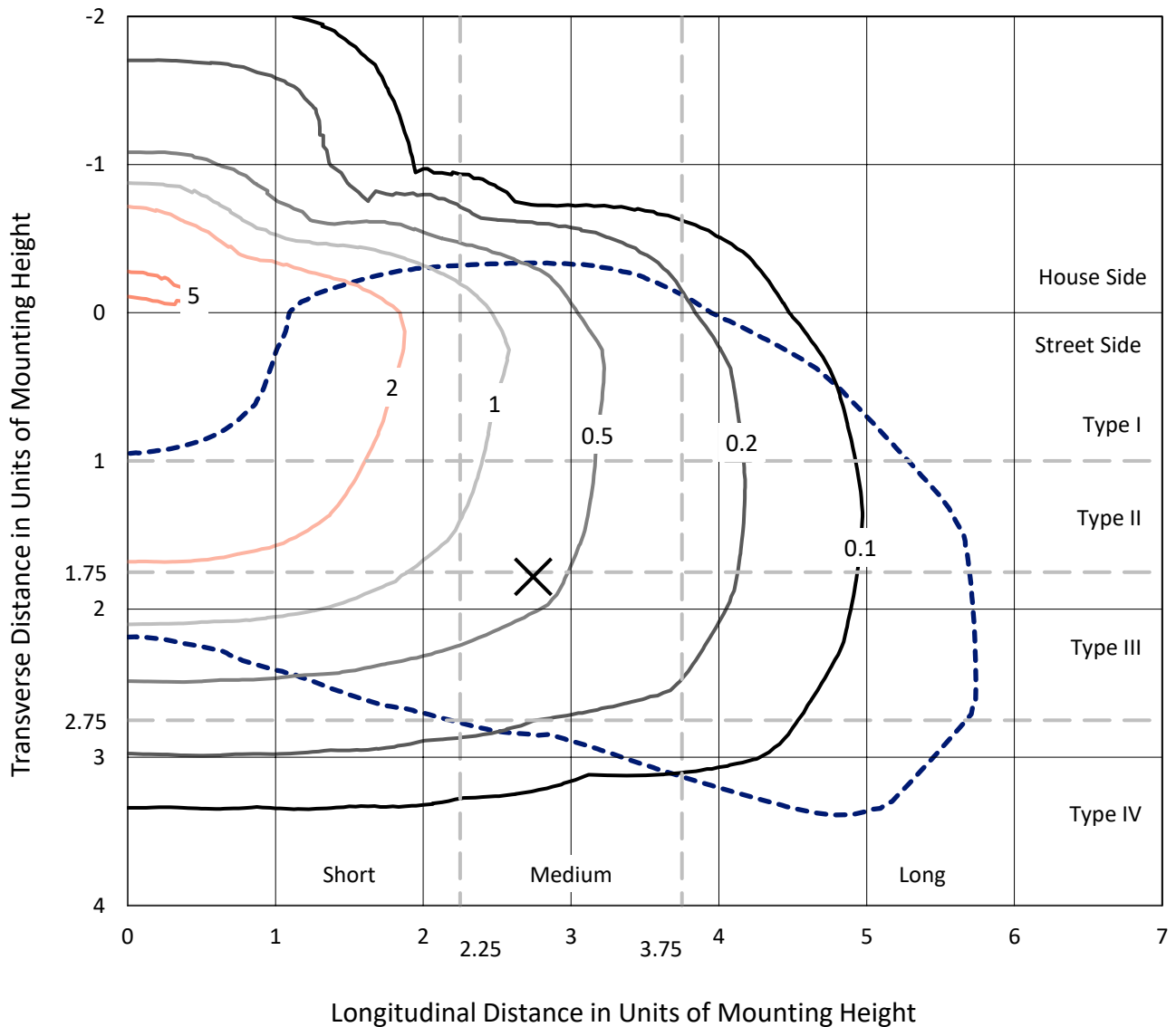
Input Watts (W): 48.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

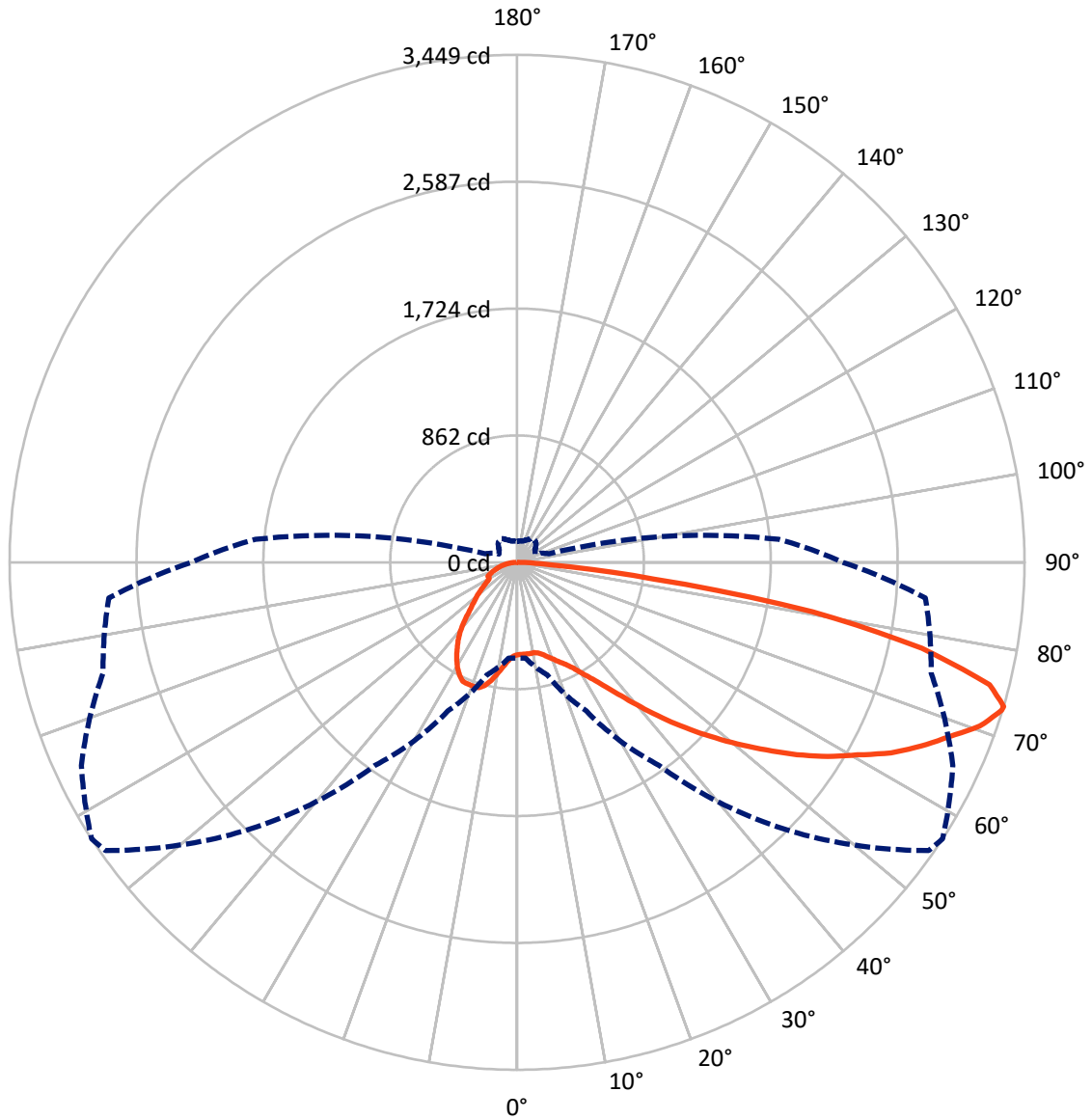
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 5.3 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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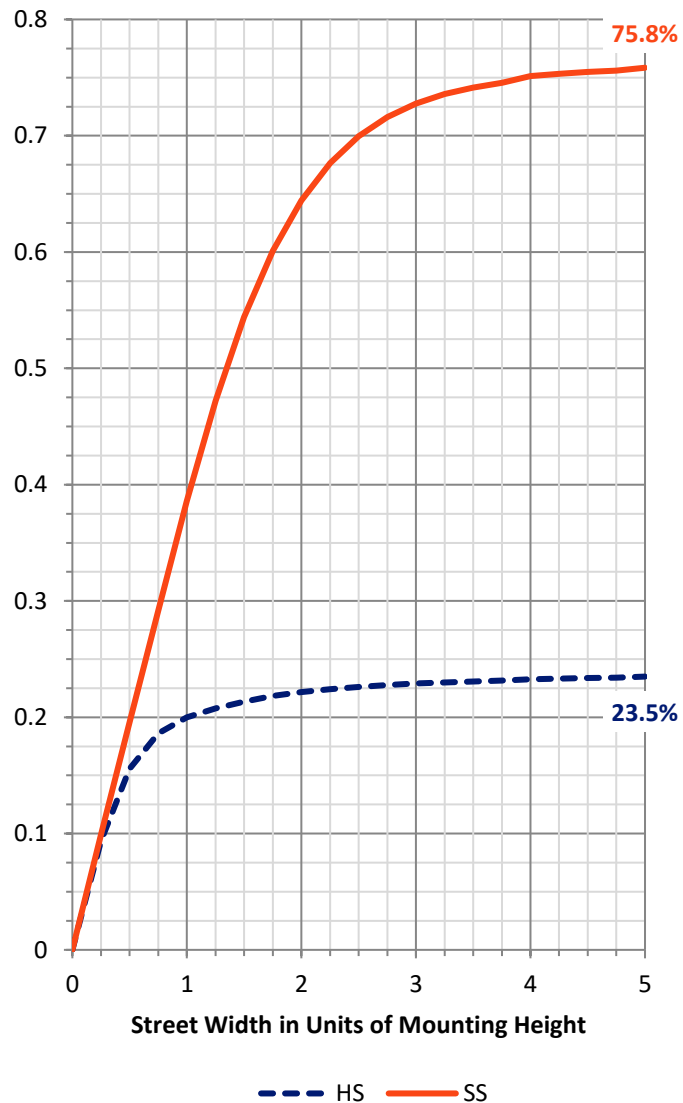
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1486.5	0.0	1486.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4744.5	0.0	4744.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	6231.0	0.0	6231.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	1.0
10°-20°	206.1	3.3
20°-30°	380.5	6.1
30°-40°	587.6	9.4
40°-50°	884.5	14.2
50°-60°	1294.5	20.8
60°-70°	1528.7	24.5
70°-80°	1094.5	17.6
80°-90°	191.8	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°	6231.0	100.0
0°-180°	6231.0	100.0

Coefficient of Utilization

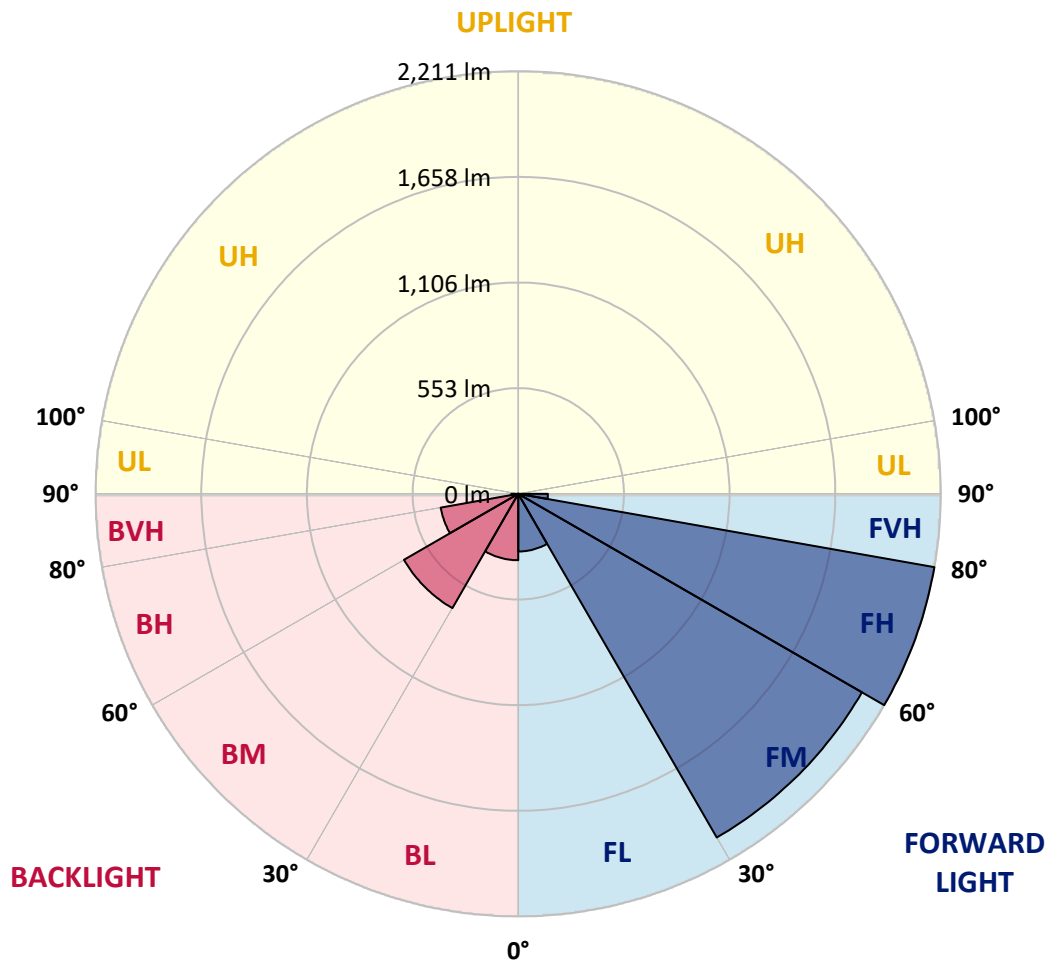


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	301.9	4.8			
FM (30°-60°)	2076.3	33.3			
FH (60°-80°)	2211.1	35.5			G2/5000
FVH (80°-90°)	155.2	2.5			G2/225
BL (0°-30°)	347.4	5.6	B1/500		
BM (30°-60°)	690.3	11.1	B1/1000		
BH (60°-80°)	412.2	6.6	B1/500		G1/500
BVH (80°-90°)	36.6	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°	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8
2.5°	620.1	623.2	621.7	623.2	627.8	624.7	624.7	626.2	627.8	626.2	629.3
5°	594.2	595.7	598.8	604.9	615.6	618.6	626.2	626.2	629.3	632.4	636.9
7.5°	551.4	554.5	560.6	566.7	585.0	603.3	623.2	626.2	636.9	644.6	647.6
10°	543.8	546.8	548.3	557.5	575.8	594.2	618.6	624.7	644.6	656.8	670.5
12.5°	536.1	539.2	543.8	556.0	578.9	598.8	624.7	630.8	655.3	679.7	696.5
15°	542.2	543.8	548.3	560.6	583.5	611.0	644.6	649.2	676.7	707.2	733.2
17.5°	557.5	559.0	557.5	568.2	589.6	621.7	667.5	675.1	708.7	739.3	765.2
20°	592.6	594.2	588.1	588.1	603.3	635.4	691.9	702.6	743.9	777.5	803.4
22.5°	669.0	666.0	650.7	630.8	630.8	656.8	719.4	734.7	786.6	814.1	837.0
25°	777.5	777.5	753.0	716.4	691.9	688.9	751.5	768.3	829.4	863.0	876.7
27.5°	908.8	910.4	870.6	821.8	774.4	751.5	797.3	814.1	882.9	918.0	922.6
30°	1024.9	1026.4	986.7	940.9	882.9	832.5	858.4	876.7	956.2	983.7	968.4
32.5°	1141.0	1142.5	1115.0	1052.4	991.3	928.7	936.3	947.0	1028.0	1053.9	1029.5
35°	1241.8	1246.4	1218.9	1171.5	1107.4	1050.9	1037.1	1038.7	1112.0	1128.8	1096.7
37.5°	1344.1	1344.1	1327.3	1283.0	1228.1	1165.4	1147.1	1151.7	1217.4	1234.2	1188.3
40°	1474.0	1480.1	1470.9	1415.9	1353.3	1301.4	1283.0	1289.2	1360.9	1351.8	1302.9
42.5°	1631.3	1645.0	1629.8	1570.2	1503.0	1445.0	1445.0	1445.0	1506.1	1507.6	1434.3
45°	1832.9	1832.9	1817.6	1765.7	1677.1	1619.1	1599.2	1603.8	1657.3	1663.4	1577.8
47.5°	2000.9	2016.2	1999.4	1961.2	1891.0	1836.0	1773.4	1765.7	1810.0	1810.0	1736.7
50°	2136.9	2164.4	2150.6	2167.4	2117.0	2089.5	1961.2	1939.8	1955.1	1970.4	1889.4
52.5°	2249.9	2271.3	2266.7	2315.6	2340.0	2355.3	2152.2	2118.6	2130.8	2129.2	2055.9
55°	2257.5	2265.2	2333.9	2443.9	2540.1	2611.9	2344.6	2308.0	2295.7	2289.6	2233.1
57.5°	2213.3	2217.8	2355.3	2485.1	2694.4	2776.9	2526.4	2489.7	2472.9	2451.5	2428.6
60°	2106.3	2129.2	2309.5	2509.6	2786.0	2905.2	2695.9	2657.7	2645.5	2599.7	2651.6
62.5°	1970.4	1981.1	2161.3	2459.2	2798.3	2960.2	2874.6	2851.7	2813.5	2747.9	2850.2
65°	1777.9	1776.4	1935.3	2311.0	2735.6	2987.7	3025.8	3013.6	2966.3	2853.2	3027.4
67.5°	1460.2	1495.4	1651.2	2048.3	2584.4	3015.2	3180.1	3164.8	3090.0	2948.0	3111.4
70°	1113.5	1134.9	1312.1	1654.2	2283.5	2940.3	3331.3	3335.9	3200.0	2967.8	3074.7
72.5°	710.3	746.9	887.4	1205.1	1828.3	2662.3	3421.5	3442.8	3261.1	2940.3	2847.1
73°	650.7	653.7	791.2	1115.0	1686.3	2563.0	3415.3	3448.9	3267.2	2912.8	2784.5
75°	388.0	404.8	487.3	740.8	1203.6	2059.0	3250.4	3317.6	3235.1	2790.6	2440.8
77.5°	181.8	194.0	239.8	391.0	655.3	1238.8	2732.6	2812.0	2867.0	2442.4	1860.4
80°	96.2	97.8	117.6	197.0	351.3	510.2	1904.7	2036.1	2114.0	1839.0	1251.0
82.5°	81.0	81.0	91.6	126.8	224.5	198.6	785.1	934.8	1145.6	905.8	491.8
85°	65.7	67.2	91.6	94.7	160.4	102.3	187.9	235.2	444.5	400.2	55.0
87.5°	21.4	24.4	51.9	67.2	85.5	39.7	47.4	51.9	51.9	76.4	18.3
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°	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8	627.8
2.5°	630.8	630.8	632.4	633.9	636.9	636.9	640.0	641.5	644.6	646.1	641.5
5°	636.9	640.0	643.1	652.2	662.9	672.1	681.2	688.9	696.5	701.1	699.6
7.5°	653.7	658.3	670.5	687.3	708.7	722.5	736.2	750.0	756.1	759.1	759.1
10°	676.7	685.8	708.7	736.2	760.7	782.0	792.7	801.9	805.0	808.0	805.0
12.5°	708.7	720.9	756.1	791.2	818.7	829.4	827.9	815.7	798.8	795.8	792.7
15°	750.0	765.2	805.0	846.2	867.6	853.8	818.7	806.5	803.4	812.6	809.5
17.5°	785.1	803.4	852.3	895.1	890.5	843.1	832.5	838.6	835.5	837.0	837.0
20°	818.7	844.7	896.6	925.6	885.9	855.4	846.2	838.6	829.4	832.5	829.4
22.5°	861.5	879.8	939.4	940.9	879.8	855.4	835.5	820.2	817.2	818.7	820.2
25°	895.1	924.1	976.0	930.2	879.8	830.9	803.4	800.4	801.9	811.1	808.0
27.5°	940.9	969.9	1005.1	924.1	843.1	791.2	780.5	779.0	768.3	771.4	771.4
30°	983.7	1018.8	1020.3	924.1	797.3	757.6	742.3	714.8	691.9	696.5	695.0
32.5°	1041.7	1072.3	1023.4	887.4	745.4	713.3	672.1	629.3	618.6	624.7	626.2
35°	1108.9	1133.4	1026.4	826.3	693.5	650.7	575.8	551.4	549.9	554.5	559.0
37.5°	1197.5	1211.3	1049.3	756.1	643.1	552.9	494.9	488.8	475.0	465.9	467.4
40°	1306.0	1289.2	1093.6	693.5	583.5	464.3	439.9	423.1	397.1	371.2	375.7
42.5°	1426.6	1379.3	1107.4	643.1	502.5	409.4	386.4	360.5	328.4	300.9	299.4
45°	1556.5	1480.1	1095.2	603.3	421.6	368.1	343.7	313.1	274.9	252.0	252.0
47.5°	1710.7	1576.3	1057.0	571.3	365.1	331.5	300.9	270.4	244.4	223.0	223.0
50°	1880.3	1687.8	1029.5	514.7	325.3	296.3	265.8	241.3	221.5	204.7	204.7
52.5°	2059.0	1793.2	1006.6	432.3	290.2	264.2	242.9	223.0	206.2	184.8	181.8
55°	2240.7	1894.0	1017.3	352.8	258.1	241.3	227.6	207.7	201.6	197.0	194.0
57.5°	2430.1	2004.0	1043.2	288.7	230.6	229.1	223.0	236.8	250.5	241.3	236.8
60°	2578.3	2089.5	1046.3	242.9	213.8	241.3	271.9	276.5	239.8	218.4	216.9
62.5°	2695.9	2170.5	974.5	210.8	218.4	284.1	290.2	244.4	207.7	198.6	198.6
65°	2757.0	2199.5	783.6	192.5	227.6	271.9	262.7	220.0	194.0	192.5	192.5
67.5°	2726.5	2176.6	548.3	172.6	201.6	235.2	235.2	201.6	178.7	186.3	183.3
70°	2579.8	2063.6	362.0	155.8	177.2	212.3	218.4	187.9	166.5	171.1	166.5
72.5°	2274.4	1861.9	238.3	137.5	152.7	187.9	203.1	172.6	152.7	151.2	146.6
73°	2214.8	1785.6	224.5	134.4	148.2	181.8	198.6	169.5	149.7	145.1	142.1
75°	1878.7	1489.2	169.5	120.7	131.4	163.4	184.8	158.9	137.5	131.4	128.3
77.5°	1368.6	1032.5	126.8	102.3	110.0	142.1	163.4	145.1	122.2	114.6	113.0
80°	853.8	562.1	94.7	82.5	87.1	119.1	143.6	129.8	105.4	96.2	94.7
82.5°	334.5	183.3	65.7	61.1	64.2	90.1	120.7	113.0	88.6	81.0	76.4
85°	55.0	62.6	42.8	41.2	41.2	64.2	91.6	87.1	59.6	51.9	45.8
87.5°	15.3	29.0	16.8	15.3	15.3	27.5	50.4	39.7	24.4	19.9	18.3
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)