

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: P511165

Luminaire Tested: **USSL-P-PA1B-730-U-T4W**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-PA1B-730-U-T4W
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6471 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

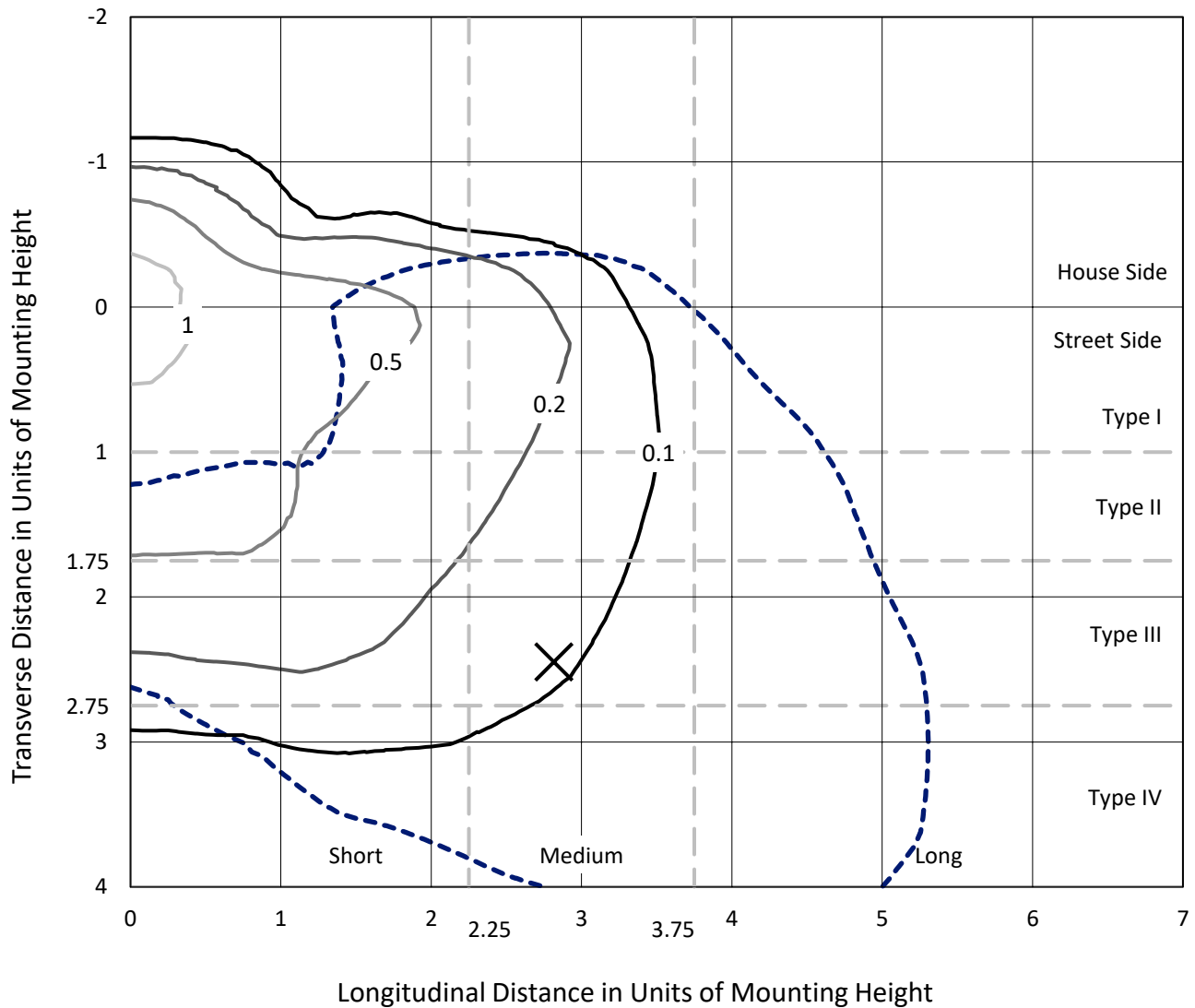
Input Watts (W): 52.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

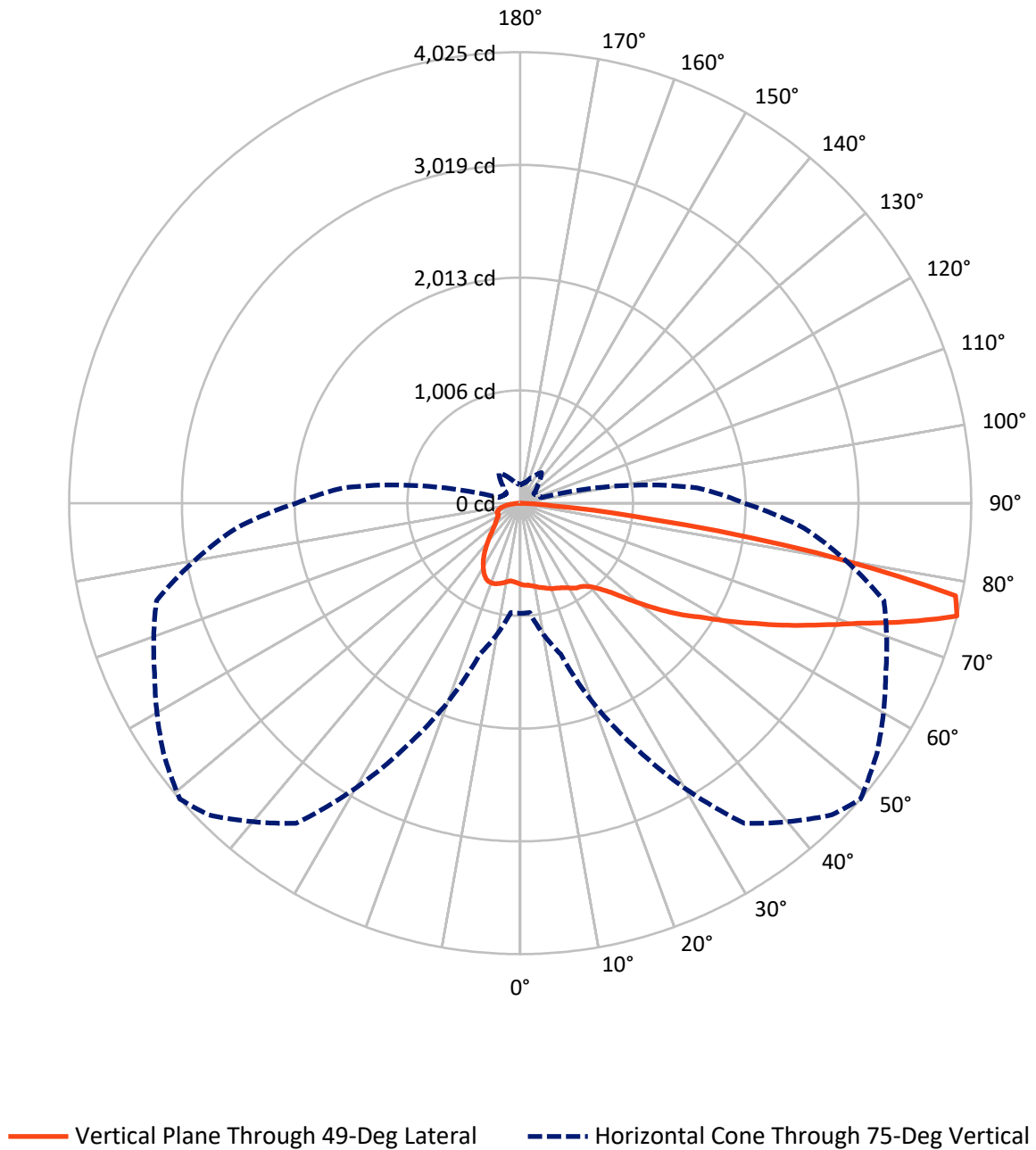
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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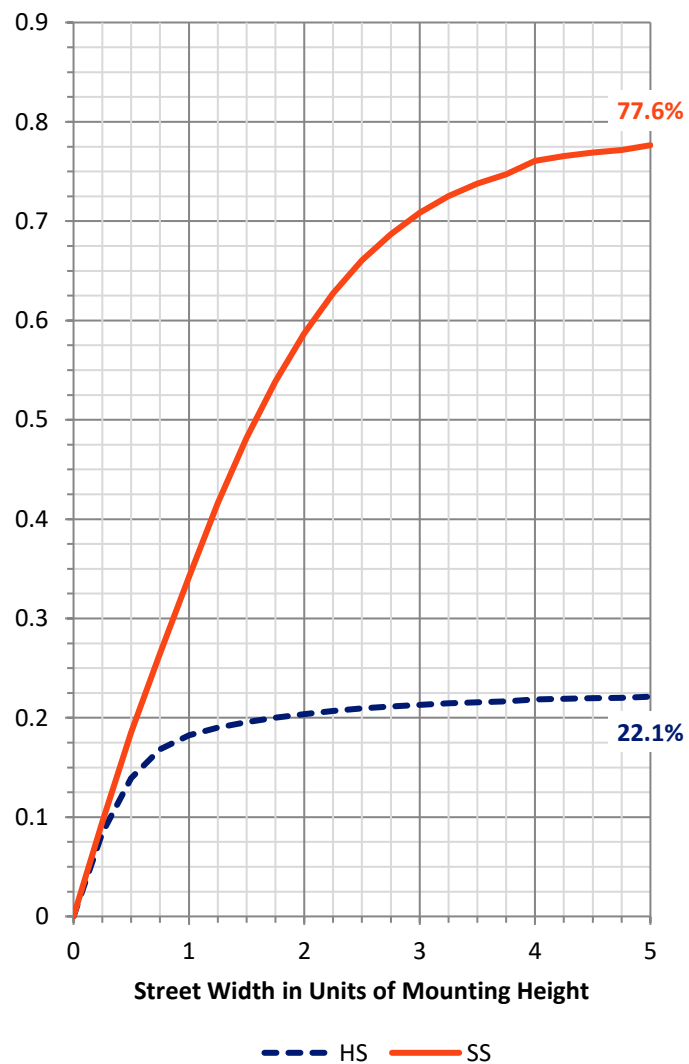
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1449.3	0.0	1449.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	5021.7	0.0	5021.7
	% Fixture	77.6	0.0	77.6
Total	Lumens	6471.0	0.0	6471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	1.1
10°-20°	218.4	3.4
20°-30°	367.6	5.7
30°-40°	498.1	7.7
40°-50°	731.0	11.3
50°-60°	1164.8	18.0
60°-70°	1696.5	26.2
70°-80°	1534.9	23.7
80°-90°	190.1	2.9
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°	6471.0	100.0
0°-180°	6471.0	100.0

Coefficient of Utilization



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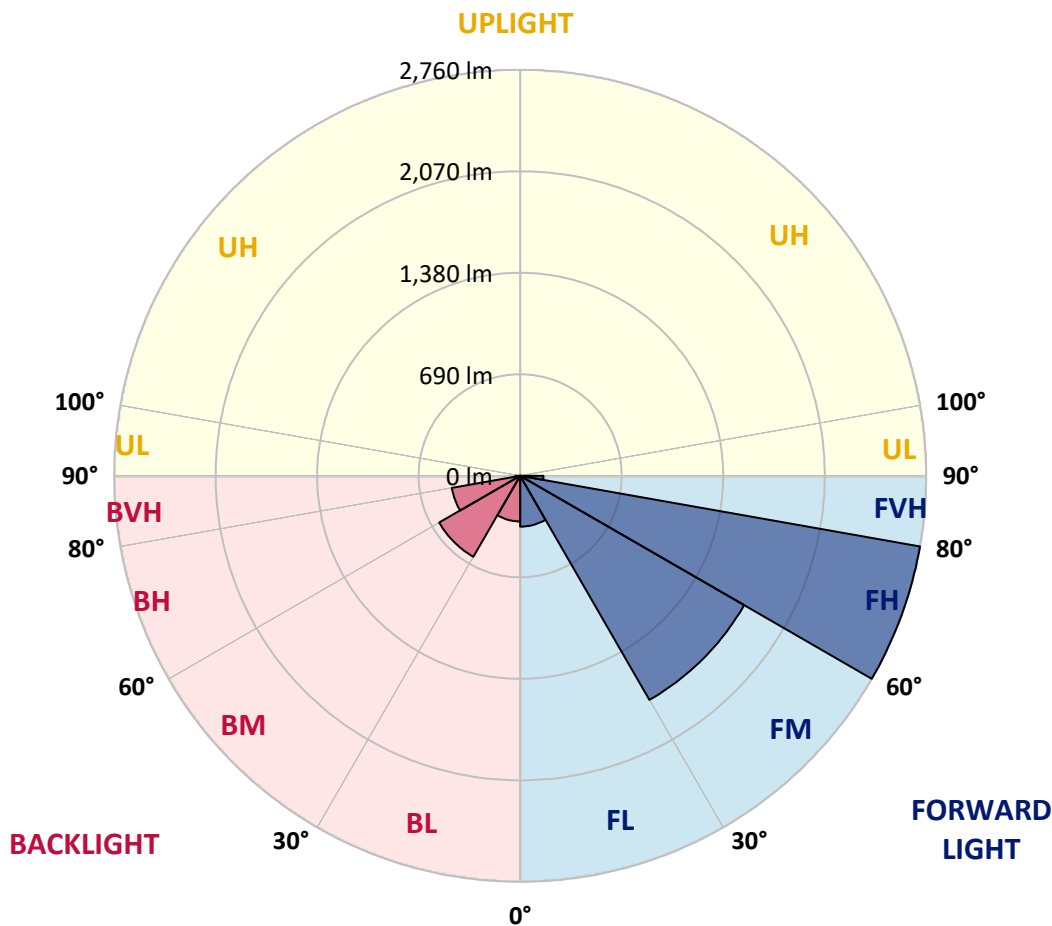
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.4	5.3			
FM	(30°-60°)	1758.4	27.2			
FH	(60°-80°)	2759.8	42.6			G2/5000
FVH	(80°-90°)	158.2	2.4			G2/225
BL	(0°-30°)	310.2	4.8	B1/500		
BM	(30°-60°)	635.5	9.8	B1/1000		
BH	(60°-80°)	471.6	7.3	B1/500		G1/500
BVH	(80°-90°)	32.0	0.5			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°	49°	55°	65°	75°	85°
0°	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7
2.5°	747.1	744.1	741.1	741.1	736.6	735.1	733.7	732.2	723.2	724.7	718.8
5°	770.9	766.4	763.4	760.4	751.5	738.1	733.7	732.2	717.3	708.4	703.9
7.5°	805.1	806.6	790.2	781.3	772.4	750.0	745.6	733.7	717.3	705.4	697.9
10°	840.8	836.3	822.9	806.6	788.7	763.4	756.0	745.6	732.2	715.8	706.9
12.5°	866.1	861.6	845.3	824.4	799.1	776.8	772.4	764.9	744.1	726.2	717.3
15°	881.0	885.5	866.1	836.3	808.1	791.7	782.8	778.3	760.4	741.1	724.7
17.5°	897.4	895.9	884.0	848.2	822.9	803.6	799.1	791.7	769.4	751.5	735.1
20°	904.8	910.7	900.3	860.2	830.4	812.5	814.0	808.1	787.2	764.9	747.1
22.5°	909.3	912.2	907.8	867.6	839.3	825.9	824.4	820.0	799.1	779.8	759.0
25°	907.8	909.3	916.7	869.1	848.2	837.8	837.8	831.9	815.5	797.6	776.8
27.5°	909.3	906.3	916.7	873.5	860.2	855.7	854.2	852.7	843.8	818.5	796.2
30°	903.3	912.2	915.2	879.5	878.0	876.5	878.0	879.5	869.1	842.3	818.5
32.5°	904.8	901.8	916.7	886.9	888.4	900.3	904.8	901.8	885.5	863.1	840.8
35°	930.1	937.5	940.5	900.3	898.8	906.3	916.7	913.7	909.3	892.9	879.5
37.5°	1062.5	1068.5	1052.1	955.4	928.6	927.1	940.5	943.5	946.5	939.0	936.0
40°	1269.4	1262.0	1259.0	1074.4	980.7	970.3	982.2	997.1	1001.5	1006.0	1013.4
42.5°	1494.1	1503.0	1504.5	1242.6	1102.7	1040.2	1046.2	1065.5	1090.8	1096.8	1129.5
45°	1696.5	1712.9	1745.6	1465.8	1269.4	1156.3	1135.5	1151.8	1195.0	1232.2	1285.8
47.5°	1839.4	1849.8	1901.9	1699.5	1479.2	1279.8	1264.9	1264.9	1325.9	1376.5	1467.3
50°	1982.2	1976.3	1997.1	1939.1	1769.4	1464.3	1421.2	1409.3	1489.6	1561.1	1663.8
52.5°	2090.9	2101.3	2134.0	2157.8	2017.9	1665.2	1587.9	1556.6	1659.3	1745.6	1888.5
55°	2168.2	2172.7	2247.1	2340.9	2256.0	1843.8	1759.0	1736.7	1858.7	1956.9	2145.9
57.5°	2272.4	2305.1	2390.0	2561.1	2546.2	2012.0	1924.2	1942.0	2064.1	2171.2	2436.1
60°	2464.4	2454.0	2552.2	2782.8	2701.0	2193.5	2137.0	2147.4	2270.9	2419.7	2793.3
62.5°	2547.7	2552.2	2689.1	3064.1	2915.3	2388.5	2367.6	2391.5	2509.0	2656.4	3244.2
65°	2430.2	2462.9	2768.0	3102.8	3128.1	2641.5	2626.6	2663.8	2747.1	2940.6	3617.7
67.5°	2114.7	2153.4	2648.9	3199.5	3305.2	2903.4	2897.4	2921.2	2974.8	3168.3	3869.2
70°	1952.5	1991.1	2321.5	3241.2	3448.0	3214.4	3207.0	3196.5	3232.3	3388.5	3901.9
72.5°	1671.2	1689.1	1988.2	3068.6	3577.5	3587.9	3614.7	3534.4	3474.8	3522.5	3515.0
75°	983.7	980.7	1394.4	2385.5	3488.2	3934.7	4025.4	3887.1	3599.8	3360.2	2541.8
77.5°	339.3	325.9	474.7	1087.8	2532.8	3806.7	3973.4	3769.5	3272.4	2657.8	1415.2
80°	95.2	102.7	153.3	363.1	1180.1	2348.3	2675.7	2824.5	2134.0	1117.6	422.6
82.5°	43.2	44.6	80.4	148.8	436.0	1151.8	1193.5	1011.9	721.8	282.7	104.2
85°	11.9	11.9	25.3	53.6	148.8	266.4	291.7	256.0	148.8	95.2	35.7
87.5°	1.5	1.5	1.5	3.0	4.5	7.4	6.0	16.4	13.4	11.9	6.0
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°	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7
2.5°	720.3	718.8	715.8	714.3	712.8	712.8	712.8	714.3	711.3	717.3	717.3
5°	702.4	700.9	696.5	699.4	699.4	705.4	708.4	711.3	715.8	718.8	720.3
7.5°	695.0	696.5	695.0	692.0	695.0	700.9	712.8	723.2	727.7	732.2	733.7
10°	703.9	703.9	699.4	705.4	706.9	712.8	721.8	733.7	747.1	751.5	751.5
12.5°	709.8	711.3	708.4	720.3	723.2	730.7	736.6	742.6	754.5	761.9	763.4
15°	717.3	715.8	720.3	730.7	736.6	742.6	747.1	744.1	756.0	761.9	761.9
17.5°	727.7	729.2	735.1	748.5	751.5	753.0	751.5	744.1	753.0	759.0	761.9
20°	738.1	741.1	750.0	760.4	760.4	754.5	748.5	741.1	745.6	753.0	759.0
22.5°	751.5	756.0	761.9	769.4	761.9	748.5	741.1	733.7	738.1	750.0	754.5
25°	763.4	767.9	767.9	764.9	745.6	733.7	730.7	730.7	732.2	745.6	747.1
27.5°	784.3	784.3	773.8	753.0	718.8	699.4	706.9	712.8	726.2	736.6	739.6
30°	806.6	800.6	779.8	733.7	680.1	660.7	669.7	686.0	703.9	718.8	727.7
32.5°	834.9	830.4	788.7	711.3	638.4	613.1	622.0	645.9	671.2	689.0	692.0
35°	876.5	866.1	797.6	681.6	584.8	561.0	565.5	592.3	619.1	638.4	648.8
37.5°	930.1	919.7	805.1	642.9	529.8	504.5	503.0	528.3	549.1	567.0	574.4
40°	1022.4	997.1	812.5	593.8	476.2	446.4	446.4	455.4	462.8	474.7	480.7
42.5°	1139.9	1095.3	824.4	537.2	424.1	397.3	386.9	391.4	382.5	372.0	373.5
45°	1299.2	1221.8	848.2	479.2	376.5	352.7	343.8	331.9	314.0	294.7	296.1
47.5°	1485.2	1358.7	864.6	427.1	334.8	317.0	308.0	293.2	267.9	247.0	245.5
50°	1699.5	1509.0	885.5	381.0	297.6	293.2	287.2	264.9	236.6	217.3	214.3
52.5°	1924.2	1654.8	906.3	346.7	272.3	279.8	269.4	245.5	214.3	194.9	193.5
55°	2178.7	1840.8	948.0	311.0	253.0	264.9	257.5	230.7	199.4	186.0	184.5
57.5°	2477.8	2037.3	1011.9	282.7	236.6	245.5	244.1	220.2	199.4	190.5	190.5
60°	2791.8	2290.3	1043.2	261.9	220.2	230.7	242.6	224.7	209.8	202.4	200.9
62.5°	3099.8	2529.9	949.4	244.1	208.3	226.2	250.0	244.1	221.7	220.2	218.8
65°	3330.5	2708.4	718.8	226.2	199.4	235.1	282.7	263.4	230.7	227.7	226.2
67.5°	3443.6	2799.2	480.7	212.8	192.0	245.5	312.5	272.3	226.2	218.8	211.3
70°	3303.7	2657.8	320.0	196.4	180.1	241.1	331.9	273.8	217.3	206.9	196.4
72.5°	2821.5	2293.2	244.1	181.6	168.2	232.2	336.3	266.4	208.3	187.5	180.1
75°	1998.6	1581.9	196.4	163.7	148.8	220.2	333.3	254.5	193.5	171.1	165.2
77.5°	1017.9	709.8	153.3	141.4	126.5	206.9	320.0	208.3	145.8	126.5	123.5
80°	282.7	211.3	119.1	111.6	98.2	171.1	245.5	166.7	117.6	104.2	98.2
82.5°	98.2	89.3	81.8	71.4	69.9	138.4	211.3	135.4	86.3	64.0	62.5
85°	35.7	34.2	38.7	38.7	40.2	71.4	110.1	61.0	37.2	26.8	25.3
87.5°	4.5	4.5	6.0	4.5	6.0	1.5	1.5	1.5	1.5	1.5	1.5
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)