

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: P511168

Luminaire Tested: **USSL-P-PA1B-740-U-T2R**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-PA1B-740-U-T2R
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7362 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - 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

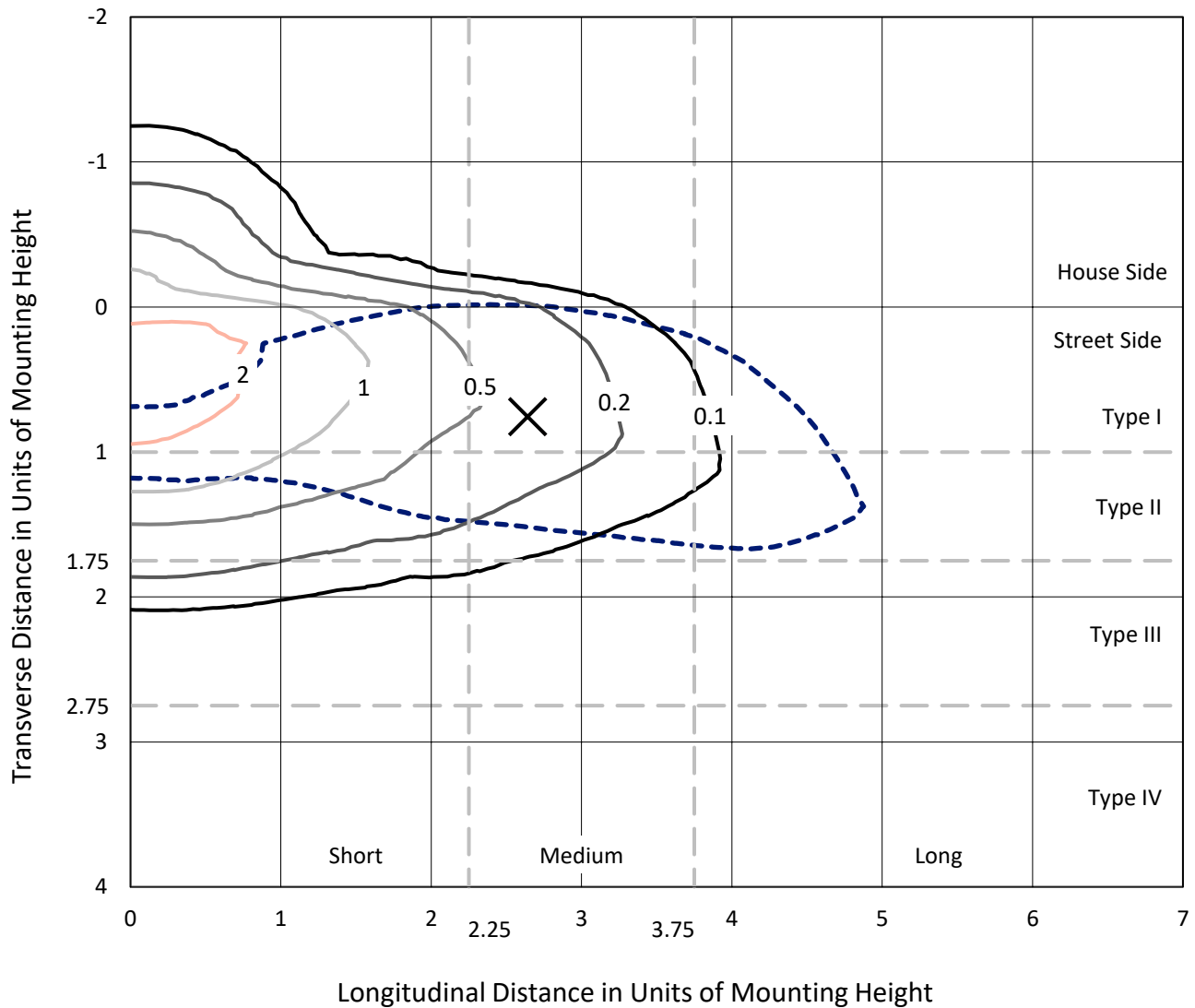


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Iso-Footcandle Lines of Horizontal Illumination

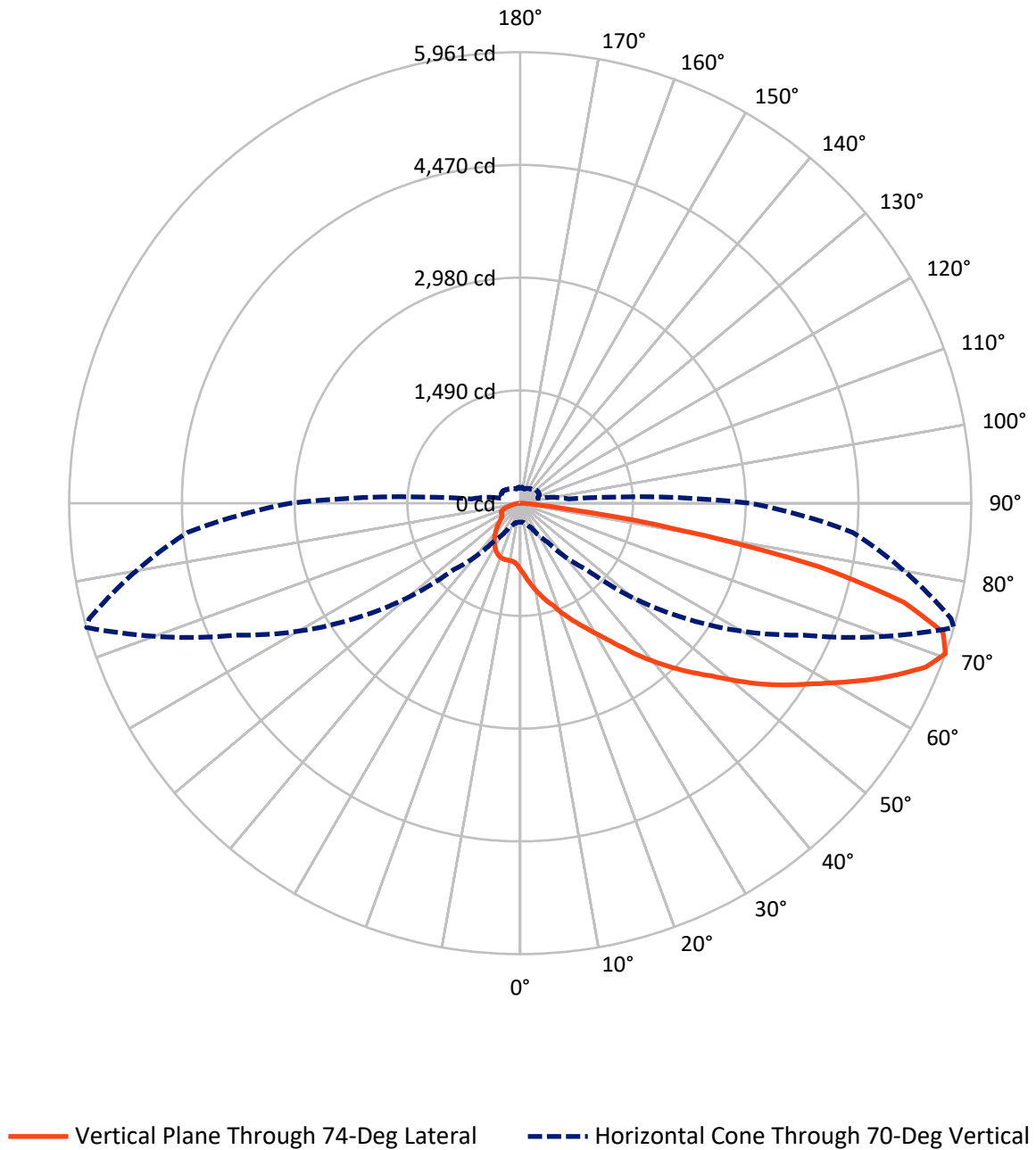
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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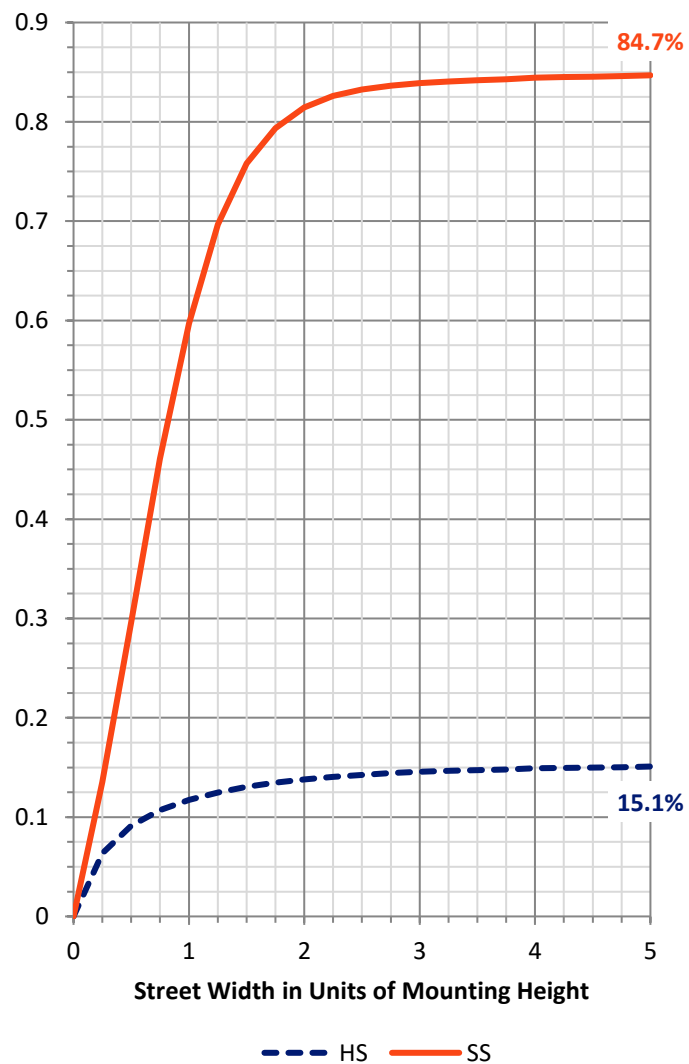
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1119.9	0.0	1119.9
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6242.1	0.0	6242.1
	% Fixture	84.8	0.0	84.8
Total	Lumens	7362.0	0.0	7362.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.3	1.3
10°-20°	308.2	4.2
20°-30°	573.2	7.8
30°-40°	966.6	13.1
40°-50°	1370.4	18.6
50°-60°	1575.1	21.4
60°-70°	1469.7	20.0
70°-80°	911.3	12.4
80°-90°	95.3	1.3
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°	7362.0	100.0
0°-180°	7362.0	100.0

Coefficient of Utilization



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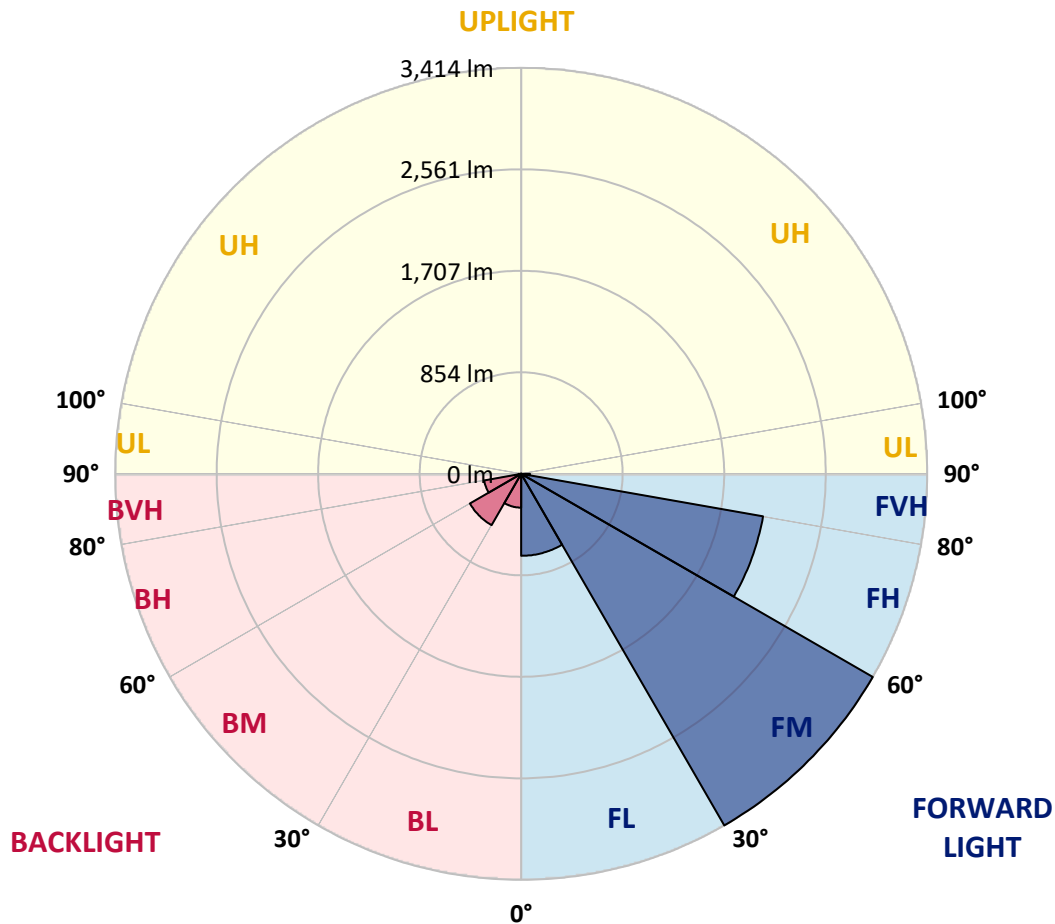
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	689.4	9.4			
FM	(30°-60°)	3414.0	46.4			
FH	(60°-80°)	2064.8	28.0			G2/5000
FVH	(80°-90°)	73.8	1.0			G1/100
BL	(0°-30°)	284.2	3.9	B1/500		
BM	(30°-60°)	498.1	6.8	B1/1000		
BH	(60°-80°)	316.2	4.3	B1/500		G1/500
BVH	(80°-90°)	21.5	0.3			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3
2.5°	1101.6	1108.1	1103.2	1093.4	1075.4	1037.8	1013.3	985.5	939.8	939.8	905.4
5°	1253.6	1253.6	1245.4	1235.6	1219.2	1180.0	1142.4	1085.2	1018.2	1011.7	936.5
7.5°	1323.8	1323.8	1323.8	1322.2	1315.7	1284.6	1242.1	1171.8	1093.4	1086.8	967.5
10°	1384.3	1379.4	1381.0	1384.3	1377.8	1374.5	1338.5	1271.5	1180.0	1170.2	1026.4
12.5°	1446.4	1436.6	1439.9	1446.4	1451.3	1439.9	1413.7	1359.8	1258.5	1251.9	1077.0
15°	1488.9	1488.9	1493.8	1506.9	1513.4	1515.0	1495.4	1454.6	1348.3	1332.0	1139.1
17.5°	1520.0	1518.3	1528.1	1551.0	1575.5	1585.3	1591.9	1546.1	1421.9	1415.4	1198.0
20°	1557.5	1557.5	1570.6	1603.3	1634.4	1662.1	1680.1	1660.5	1539.6	1516.7	1274.8
22.5°	1665.4	1665.4	1663.8	1681.8	1712.8	1734.1	1763.5	1761.8	1642.5	1614.7	1346.7
25°	1925.3	1936.7	1886.0	1827.2	1825.6	1833.7	1840.3	1891.0	1758.6	1737.3	1423.5
27.5°	2299.5	2311.0	2234.2	2141.0	2011.9	1951.4	1925.3	2011.9	1874.6	1855.0	1495.4
30°	2650.9	2629.7	2588.8	2487.5	2306.1	2137.7	2036.4	2131.2	2010.3	1969.4	1554.3
32.5°	2889.5	2874.8	2838.9	2744.1	2595.4	2392.7	2177.0	2244.0	2165.5	2127.9	1647.4
35°	3021.9	3017.0	2979.4	2933.7	2852.0	2686.9	2374.7	2381.3	2348.6	2315.9	1753.7
37.5°	3133.1	3121.6	3082.4	3038.3	3007.2	2922.2	2636.2	2510.4	2559.4	2497.3	1866.4
40°	3208.2	3198.4	3169.0	3123.3	3118.4	3108.5	2907.5	2680.3	2763.7	2703.2	1997.2
42.5°	3244.2	3234.4	3227.9	3185.4	3195.2	3239.3	3165.8	2881.4	2977.8	2907.5	2144.3
45°	3263.8	3255.6	3250.7	3218.1	3227.9	3319.4	3373.3	3111.8	3191.9	3128.2	2296.3
47.5°	3223.0	3214.8	3244.2	3231.1	3255.6	3371.7	3505.7	3352.1	3414.2	3332.5	2471.1
50°	3026.8	3053.0	3136.3	3187.0	3239.3	3392.9	3631.5	3597.2	3683.8	3584.1	2667.3
52.5°	2492.4	2536.5	2824.2	3036.6	3187.0	3394.6	3714.9	3839.1	3971.5	3902.8	2865.0
55°	1974.3	2025.0	2266.9	2683.6	3036.6	3363.5	3752.5	3992.7	4242.8	4144.7	3071.0
57.5°	1675.2	1704.6	1799.4	2183.5	2717.9	3270.4	3829.3	4110.4	4507.6	4440.6	3281.8
60°	1412.1	1417.0	1516.7	1758.6	2257.0	3044.8	3875.1	4200.3	4811.5	4723.3	3515.5
62.5°	1073.8	1111.4	1212.7	1403.9	1804.3	2667.3	3891.4	4291.8	5148.2	5078.0	3788.4
65°	671.7	696.2	813.9	1062.3	1425.2	2168.8	3705.1	4383.3	5468.6	5414.6	4061.4
67.5°	361.2	380.8	465.8	648.8	1023.1	1694.8	3257.3	4355.6	5780.7	5738.2	4311.4
70°	250.1	251.7	271.3	364.5	621.1	1237.2	2647.7	4123.5	5960.5	5895.1	4409.5
72.5°	207.6	210.8	220.6	241.9	333.4	761.6	1918.7	3675.7	5842.8	5752.9	4201.9
75°	176.5	178.1	188.0	199.4	225.5	402.1	1220.9	3030.1	5238.1	5148.2	3543.3
77.5°	145.5	148.7	156.9	171.6	188.0	230.4	635.8	2356.7	4045.0	3935.5	2332.2
80°	103.0	104.6	114.4	130.7	153.6	161.8	245.2	1412.1	2105.1	1933.4	889.1
82.5°	60.5	63.7	76.8	89.9	112.8	96.4	114.4	536.1	591.6	531.2	184.7
85°	14.7	18.0	26.1	36.0	45.8	32.7	50.7	104.6	122.6	112.8	34.3
87.5°	1.6	1.6	1.6	1.6	3.3	4.9	8.2	8.2	8.2	6.5	4.9
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°	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3	879.3
2.5°	882.6	866.2	831.9	800.8	778.0	758.3	750.2	732.2	728.9	722.4	724.0
5°	890.7	854.8	794.3	750.2	727.3	709.3	699.5	697.9	699.5	697.9	699.5
7.5°	910.3	858.0	781.2	732.2	715.8	707.7	704.4	704.4	709.3	707.7	706.0
10°	938.1	871.1	776.3	730.6	720.8	717.5	714.2	715.8	717.5	720.8	709.3
12.5°	977.3	887.5	773.1	732.2	720.8	715.8	710.9	710.9	714.2	707.7	710.9
15°	1008.4	908.7	776.3	727.3	714.2	706.0	697.9	694.6	691.3	689.7	688.1
17.5°	1052.5	931.6	773.1	722.4	701.1	684.8	668.5	661.9	658.6	655.4	653.7
20°	1103.2	946.3	768.1	709.3	678.3	653.7	635.8	622.7	611.2	609.6	604.7
22.5°	1145.7	970.8	755.1	688.1	648.8	617.8	591.6	578.6	563.9	555.7	550.8
25°	1207.8	997.0	735.5	657.0	609.6	580.2	544.2	527.9	511.6	500.1	500.1
27.5°	1248.6	1005.1	714.2	622.7	570.4	524.6	491.9	470.7	456.0	447.8	447.8
30°	1305.9	1024.7	679.9	588.4	524.6	483.8	442.9	423.3	410.2	397.1	392.2
32.5°	1364.7	1037.8	650.5	545.9	480.5	431.5	400.4	389.0	367.7	351.4	348.1
35°	1443.1	1057.4	612.9	503.4	433.1	395.5	382.4	356.3	326.9	310.5	307.3
37.5°	1537.9	1078.7	570.4	456.0	393.9	372.6	366.1	323.6	300.7	294.2	294.2
40°	1645.8	1095.0	524.6	411.9	353.0	359.6	343.2	304.0	289.3	286.0	284.4
42.5°	1760.2	1109.7	482.1	366.1	328.5	339.9	320.3	297.5	284.4	281.1	277.8
45°	1884.4	1113.0	439.6	331.8	307.3	312.2	304.0	289.3	277.8	276.2	274.6
47.5°	2020.1	1116.3	393.9	300.7	294.2	286.0	290.9	277.8	271.3	269.7	268.0
50°	2186.8	1108.1	351.4	281.1	284.4	269.7	276.2	268.0	266.4	263.1	259.9
52.5°	2333.9	1081.9	318.7	271.3	277.8	266.4	264.8	261.5	261.5	255.0	251.7
55°	2474.4	1046.0	297.5	266.4	269.7	261.5	259.9	256.6	255.0	246.8	245.2
57.5°	2606.8	993.7	284.4	268.0	266.4	258.2	258.2	253.3	245.2	241.9	238.6
60°	2784.9	949.6	279.5	271.3	263.1	256.6	256.6	248.4	240.3	235.3	233.7
62.5°	2951.7	902.2	277.8	277.8	264.8	255.0	253.3	245.2	233.7	232.1	228.8
65°	3121.6	843.3	276.2	286.0	268.0	255.0	250.1	238.6	225.5	225.5	222.3
67.5°	3157.6	769.8	264.8	287.6	271.3	253.3	243.5	228.8	214.1	217.4	210.8
70°	3038.3	643.9	240.3	276.2	279.5	253.3	232.1	214.1	196.1	210.8	197.8
72.5°	2678.7	508.3	201.0	241.9	272.9	253.3	219.0	194.5	171.6	170.0	158.5
75°	2114.9	341.6	155.3	189.6	248.4	253.3	199.4	170.0	145.5	132.4	132.4
77.5°	1279.7	225.5	119.3	134.0	199.4	233.7	174.9	132.4	109.5	101.3	98.1
80°	421.7	125.8	88.3	93.2	124.2	170.0	148.7	104.6	80.1	70.3	62.1
82.5°	114.4	67.0	57.2	52.3	62.1	125.8	117.7	68.6	49.0	40.9	31.1
85°	27.8	27.8	26.1	22.9	19.6	37.6	45.8	16.3	9.8	4.9	4.9
87.5°	4.9	4.9	4.9	4.9	3.3	1.6	1.6	0.0	1.6	1.6	1.6
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)