

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: P253981

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T2U-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-16-90°)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-T2U-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO
COMPETITIVE OFFERINGS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6370.9 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

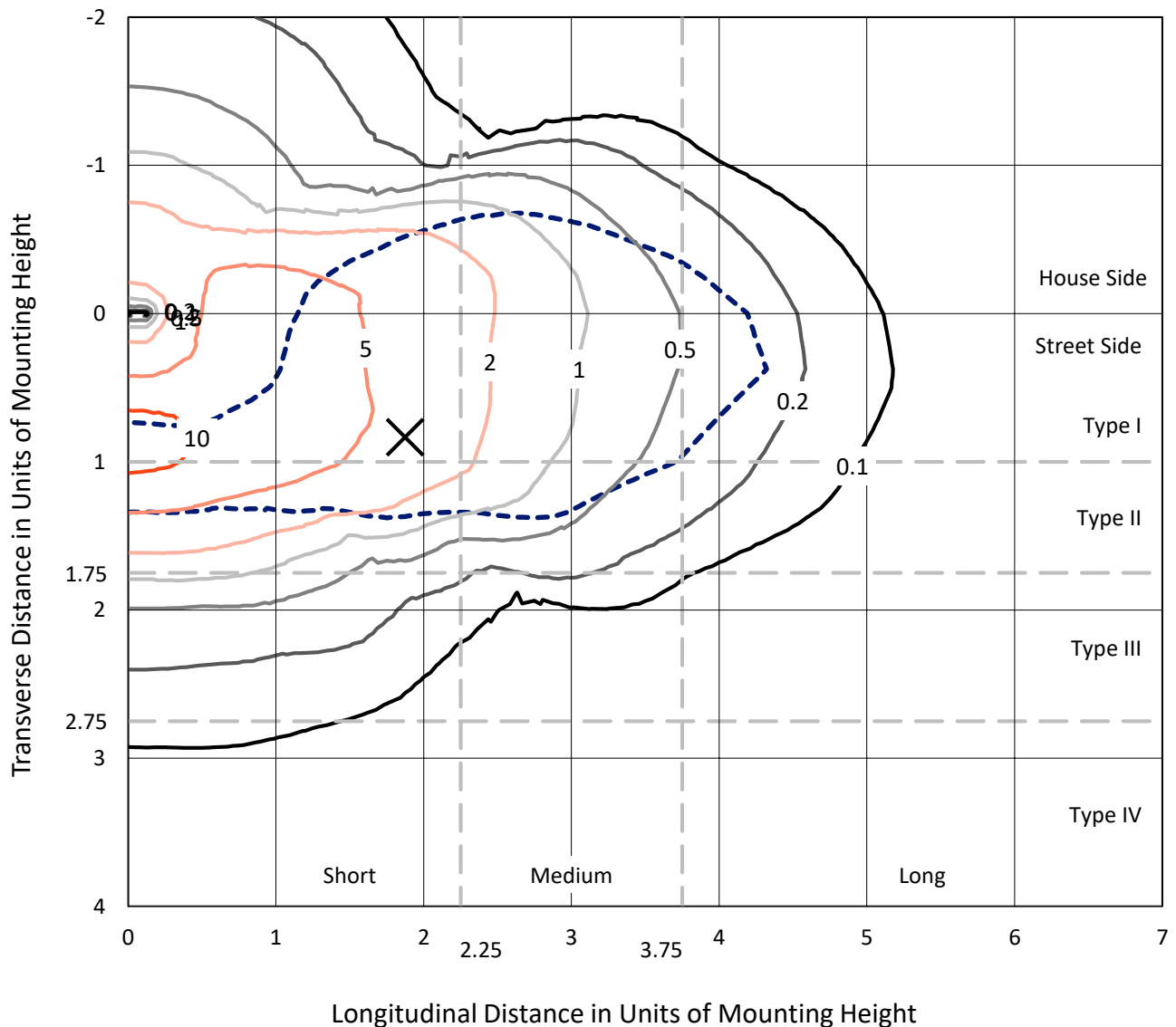
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

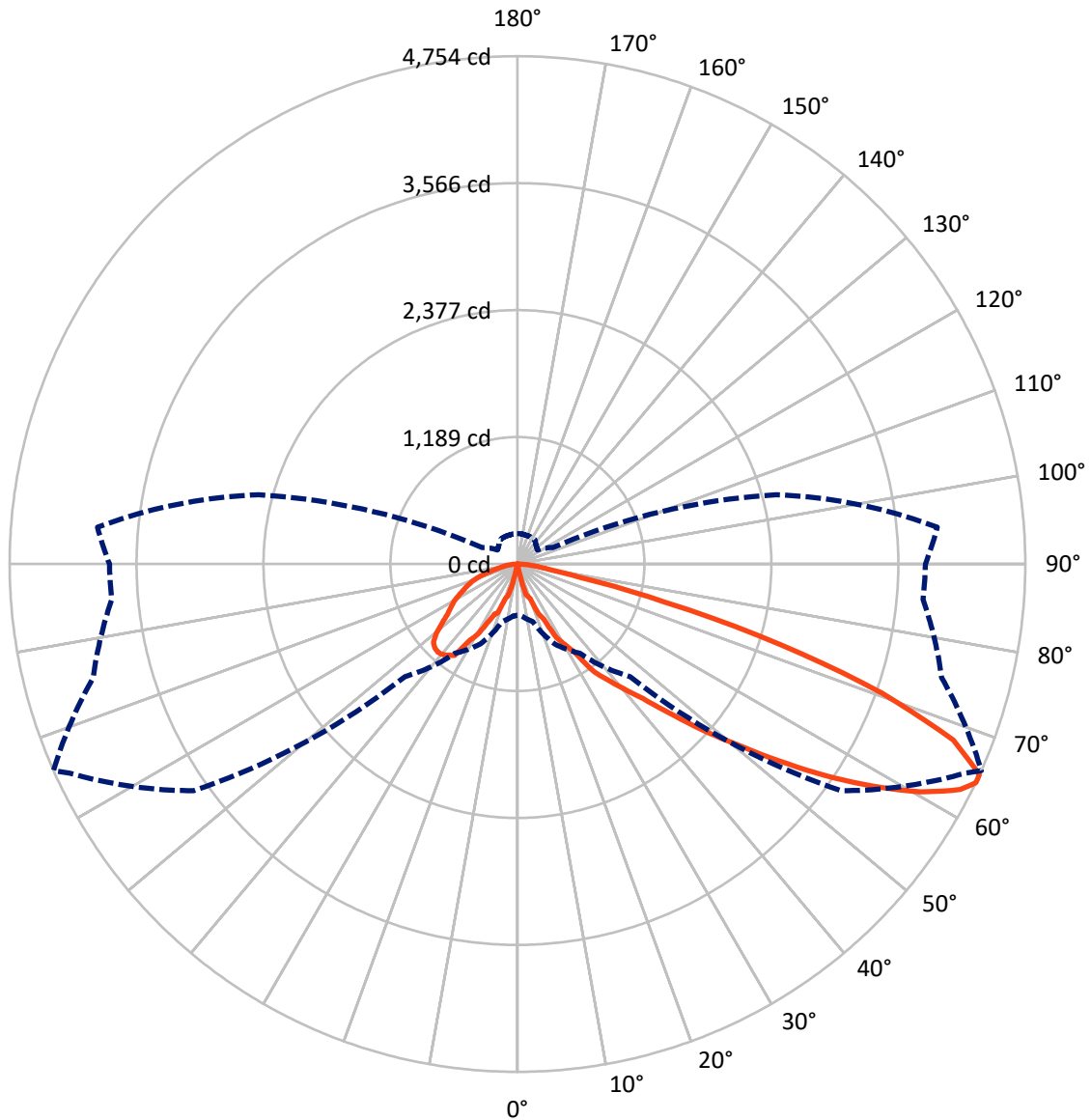
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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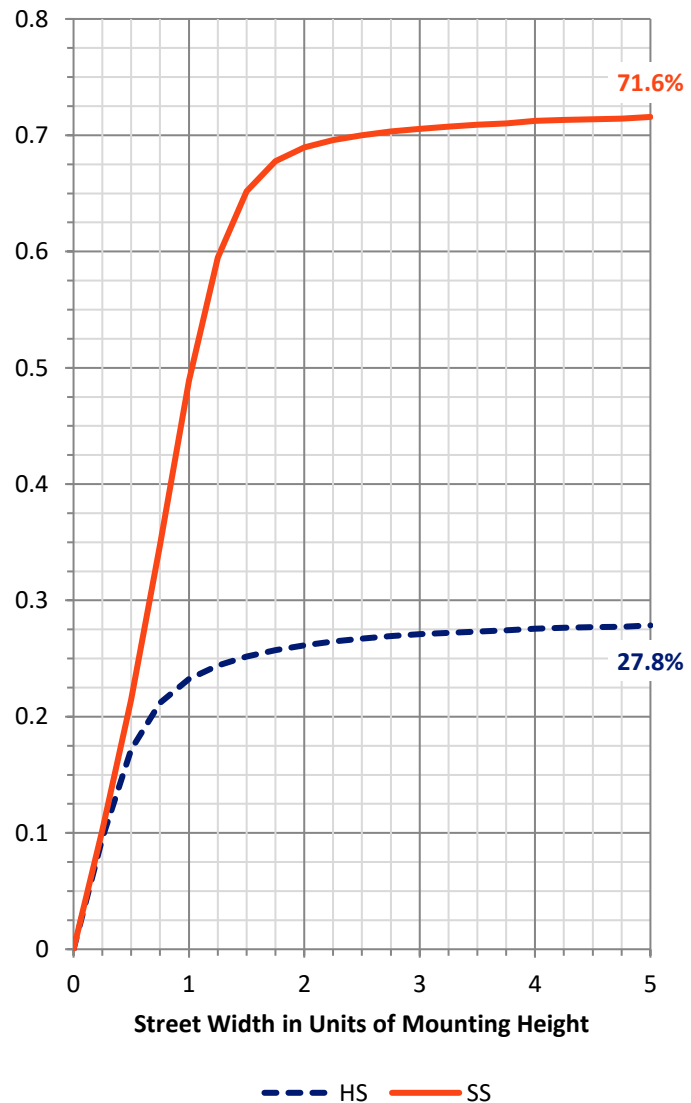
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1794.4	0.0	1794.4
	% Fixture	28.2	0.0	28.2
Street Side	Lumens	4576.5	0.0	4576.5
	% Fixture	71.8	0.0	71.8
Total	Lumens	6370.9	0.0	6370.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	70.3	1.1
20°-30°	273.0	4.3
30°-40°	675.2	10.6
40°-50°	1270.0	19.9
50°-60°	1684.8	26.4
60°-70°	1516.8	23.8
70°-80°	774.6	12.2
80°-90°	101.5	1.6
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°	6370.9	100.0
0°-180°	6370.9	100.0



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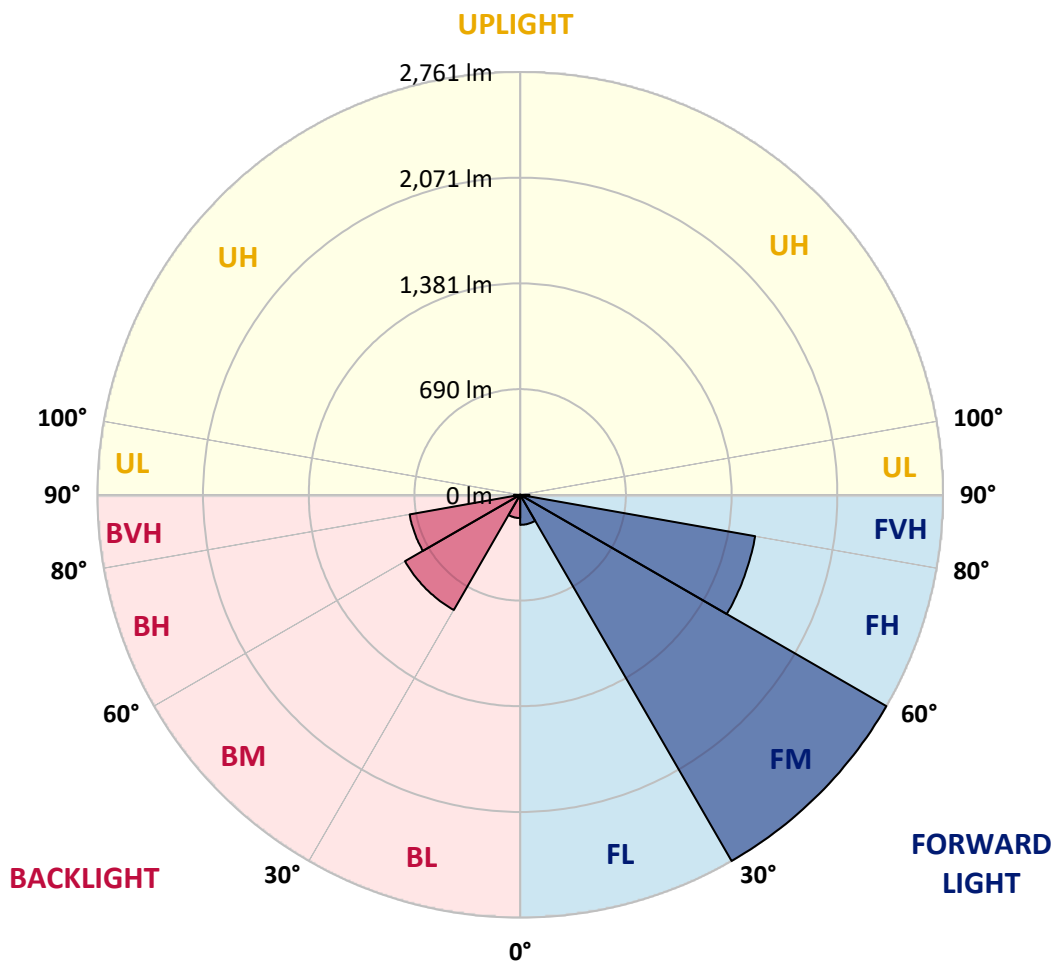
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	196.1	3.1			
FM (30°-60°)	2761.5	43.3			
FH (60°-80°)	1558.2	24.5			G1/1800
FVH (80°-90°)	60.7	1.0			G1/100
BL (0°-30°)	151.9	2.4	B1/500		
BM (30°-60°)	868.5	13.6	B1/1000		
BH (60°-80°)	733.2	11.5	B2/1000		G2/1000
BVH (80°-90°)	40.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.8	2.1	2.8	3.6	3.6	2.8	2.1	0.8	0.8	0.0	0.0
5°	135.9	133.0	92.6	36.2	18.8	10.2	5.0	2.1	1.4	0.8	0.8
7.5°	141.7	141.7	141.7	143.1	140.2	135.9	23.2	5.0	4.4	1.4	0.8
10°	144.5	143.9	142.4	143.9	142.4	142.4	139.6	18.0	16.6	5.8	4.4
12.5°	271.8	270.3	261.6	169.2	148.1	148.1	148.9	121.4	122.2	39.0	100.5
15°	284.1	283.3	279.7	281.3	272.5	162.7	228.5	292.7	295.6	205.3	232.0
17.5°	315.9	310.9	299.3	295.6	292.0	333.2	319.5	318.8	318.8	239.3	252.3
20°	488.6	482.2	475.6	384.6	320.9	424.3	392.5	344.8	347.7	407.6	432.2
22.5°	561.6	556.5	546.6	525.5	547.9	457.6	479.9	502.4	505.3	532.7	491.5
25°	764.7	769.0	715.6	613.0	660.7	569.6	615.1	554.4	569.6	579.0	607.9
27.5°	989.6	974.4	957.7	871.8	751.7	800.9	678.1	725.1	781.4	789.3	740.2
30°	1259.9	1238.9	1106.7	1097.3	962.1	901.4	876.8	889.8	874.6	829.1	829.9
32.5°	1589.5	1577.2	1519.4	1341.6	1217.2	1033.7	1067.7	975.1	983.8	1077.8	1093.6
35°	2047.7	2026.9	1750.7	1655.3	1408.8	1326.4	1194.1	1232.5	1242.6	1224.5	1203.5
37.5°	2573.3	2554.5	2337.6	1949.5	1703.1	1513.6	1473.9	1405.9	1379.2	1382.7	1390.0
40°	2883.4	2870.3	2678.8	2355.0	2000.7	1801.3	1671.8	1578.7	1536.7	1589.5	1574.3
42.5°	3105.2	3086.5	2976.7	2660.8	2407.1	2208.2	1911.2	1788.2	1720.4	1833.8	1782.6
45°	3238.3	3210.1	3155.9	2868.9	2739.5	2669.4	2232.8	2032.7	1982.0	2067.3	2029.7
47.5°	3197.8	3151.6	3185.6	3015.7	3009.9	3077.1	2608.7	2314.5	2313.0	2343.4	2315.2
50°	2947.0	2913.7	3014.9	3033.7	3177.6	3400.2	3067.0	2631.8	2649.2	2637.6	2605.1
52.5°	2482.9	2490.1	2650.6	2805.3	3163.2	3592.5	3520.9	3005.5	3053.2	2926.1	2872.5
55°	2002.2	2026.9	2199.6	2392.6	2933.9	3638.8	3915.7	3418.2	3497.8	3206.5	3124.0
57.5°	1519.4	1552.7	1758.6	1903.2	2477.1	3479.1	4149.7	3806.5	3922.9	3473.9	3358.3
60°	967.2	987.3	1241.0	1484.0	1847.6	2938.3	4204.8	4201.9	4331.2	3745.7	3566.4
62.5°	625.9	637.5	745.2	1069.7	1284.5	2051.5	4025.4	4519.8	4652.2	4010.3	3745.0
64°	479.2	489.4	558.0	825.5	1019.2	1491.2	3699.5	4629.0	4754.1	4110.8	3811.5
65°	416.4	422.9	473.4	672.9	867.4	1169.5	3378.6	4631.9	4751.9	4139.8	3823.1
67.5°	346.3	348.4	367.2	425.8	613.0	651.9	2132.4	4287.9	4400.6	4077.5	3731.3
70°	313.7	318.1	342.6	347.0	473.4	451.0	794.5	3528.2	3619.2	3910.5	3527.4
72.5°	270.3	275.5	307.2	333.2	366.4	357.9	401.8	2477.9	2574.7	3385.7	3295.4
75°	220.4	225.5	255.8	294.2	307.2	281.3	315.9	1272.9	1435.5	2502.5	2949.1
77.5°	175.0	180.0	203.9	231.3	276.9	215.5	252.3	488.0	583.3	1554.9	2193.8
80°	124.3	127.2	152.5	175.0	208.9	186.5	183.5	266.7	280.5	772.7	1104.5
82.5°	76.6	78.7	101.9	117.1	139.6	186.5	131.5	183.5	187.9	324.5	338.2
85°	42.6	44.1	61.4	66.5	77.3	94.7	88.2	100.5	103.4	144.5	85.3
87.5°	5.0	6.5	14.4	16.0	14.4	16.0	16.0	14.4	15.2	13.0	7.2
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.8	0.8	0.8	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0
5°	0.8	0.8	1.4	1.4	2.1	2.1	2.8	4.4	4.4	4.4	5.0
7.5°	0.8	0.8	1.4	2.1	2.8	7.2	36.2	125.1	141.0	146.0	146.0
10°	4.4	4.4	4.4	5.0	14.4	141.0	158.3	163.4	165.5	165.5	166.9
12.5°	110.6	110.6	59.2	23.2	132.3	164.8	168.4	172.1	174.2	176.4	179.3
15°	233.5	234.3	227.7	223.3	235.7	177.8	180.0	289.9	302.1	307.2	307.9
17.5°	253.7	252.3	253.7	323.1	340.5	266.0	297.0	317.3	319.5	320.2	320.2
20°	455.4	453.2	360.0	341.9	349.1	441.6	320.2	320.9	360.0	417.8	435.8
22.5°	488.6	484.3	458.3	499.6	458.3	451.0	407.0	420.6	433.6	432.2	431.6
25°	615.9	603.5	505.3	516.1	580.3	456.8	488.6	406.2	413.4	415.6	416.4
27.5°	757.5	743.1	710.5	607.2	591.9	571.0	457.6	424.3	471.2	472.8	469.9
30°	809.6	790.1	743.1	759.7	633.1	538.5	438.7	448.8	425.0	424.3	425.0
32.5°	1100.1	1064.7	973.6	823.3	668.6	487.2	432.2	400.4	427.2	434.5	434.5
35°	1203.5	1157.3	1078.5	1032.9	641.2	472.8	378.8	386.7	388.2	386.7	387.5
37.5°	1339.4	1278.7	1207.1	1052.5	660.7	411.3	361.4	358.5	386.7	391.8	394.0
40°	1497.7	1439.9	1373.4	1068.3	592.7	378.0	346.3	358.5	366.4	367.8	369.4
42.5°	1698.7	1618.4	1529.5	1065.5	504.6	362.8	343.3	343.3	352.7	349.8	349.8
45°	1927.8	1825.1	1676.2	1038.0	417.8	349.1	336.1	331.0	335.4	329.6	329.6
47.5°	2185.0	2072.3	1786.2	995.4	367.8	336.8	329.6	313.7	323.9	322.5	322.5
50°	2457.7	2339.8	1888.8	899.2	336.8	326.0	313.0	309.4	322.5	319.5	318.8
52.5°	2719.4	2617.5	1966.8	768.4	310.1	315.9	307.2	305.7	317.3	314.4	313.7
55°	2970.1	2910.8	2064.5	657.7	286.3	297.8	305.1	305.1	312.3	309.4	309.4
57.5°	3214.4	3226.0	2180.0	582.0	268.1	283.3	302.1	301.4	305.7	303.6	304.3
60°	3463.1	3538.3	2295.7	510.4	253.7	266.7	296.3	294.9	297.0	296.3	297.0
62.5°	3698.8	3822.3	2435.9	418.6	237.8	253.7	287.0	288.5	287.7	289.9	289.9
64°	3819.4	3946.0	2505.4	365.0	228.5	245.8	279.7	281.9	281.3	285.5	284.8
65°	3866.4	3991.5	2529.9	333.2	222.7	240.7	274.7	277.5	276.9	281.9	279.7
67.5°	3853.5	3938.0	2500.3	274.7	207.5	226.9	260.9	266.0	263.9	271.1	266.0
70°	3716.8	3646.7	2265.4	239.3	195.1	211.8	243.6	250.1	246.5	253.7	245.1
72.5°	3460.9	3147.2	1763.0	207.5	181.5	196.5	224.1	230.5	227.7	230.5	221.1
75°	2894.3	2427.3	1031.5	180.0	163.4	175.7	200.9	207.5	204.6	198.1	194.5
77.5°	2012.3	1534.5	407.6	157.6	146.7	153.9	171.3	177.1	172.7	160.5	158.3
80°	960.0	684.5	195.9	136.6	127.2	131.5	140.2	142.4	141.7	129.4	123.6
82.5°	294.2	224.1	135.2	110.0	103.4	101.9	110.6	107.7	106.3	97.6	76.6
85°	66.5	65.8	75.9	68.0	65.0	58.6	66.5	64.4	63.0	47.0	40.4
87.5°	2.1	4.4	3.6	9.4	10.2	7.9	13.0	13.7	10.2	4.4	0.8
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)