

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: P416006

Luminaire Tested: **LXF.LXT-PA1-60-750-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-750-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7522 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G2

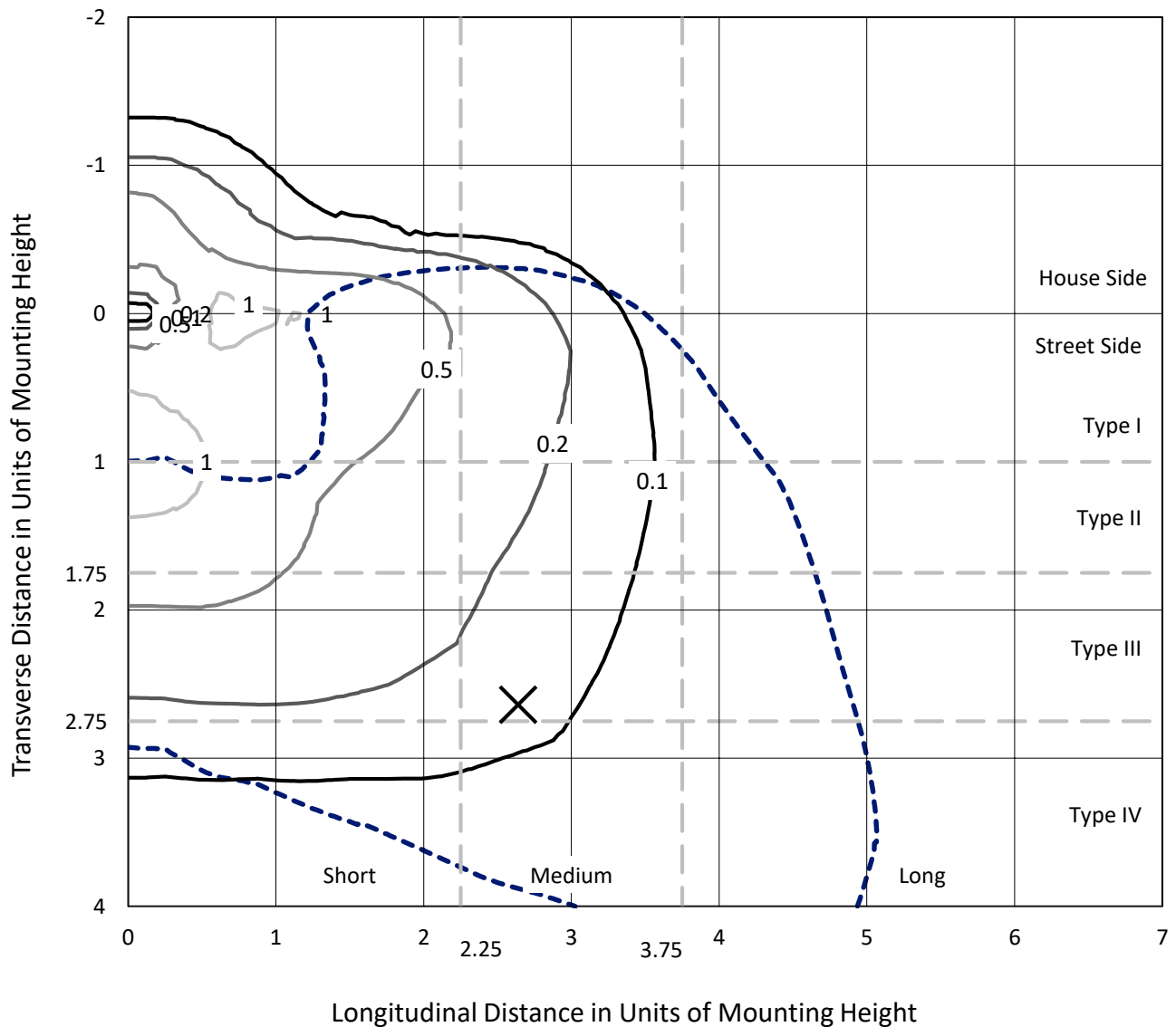
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

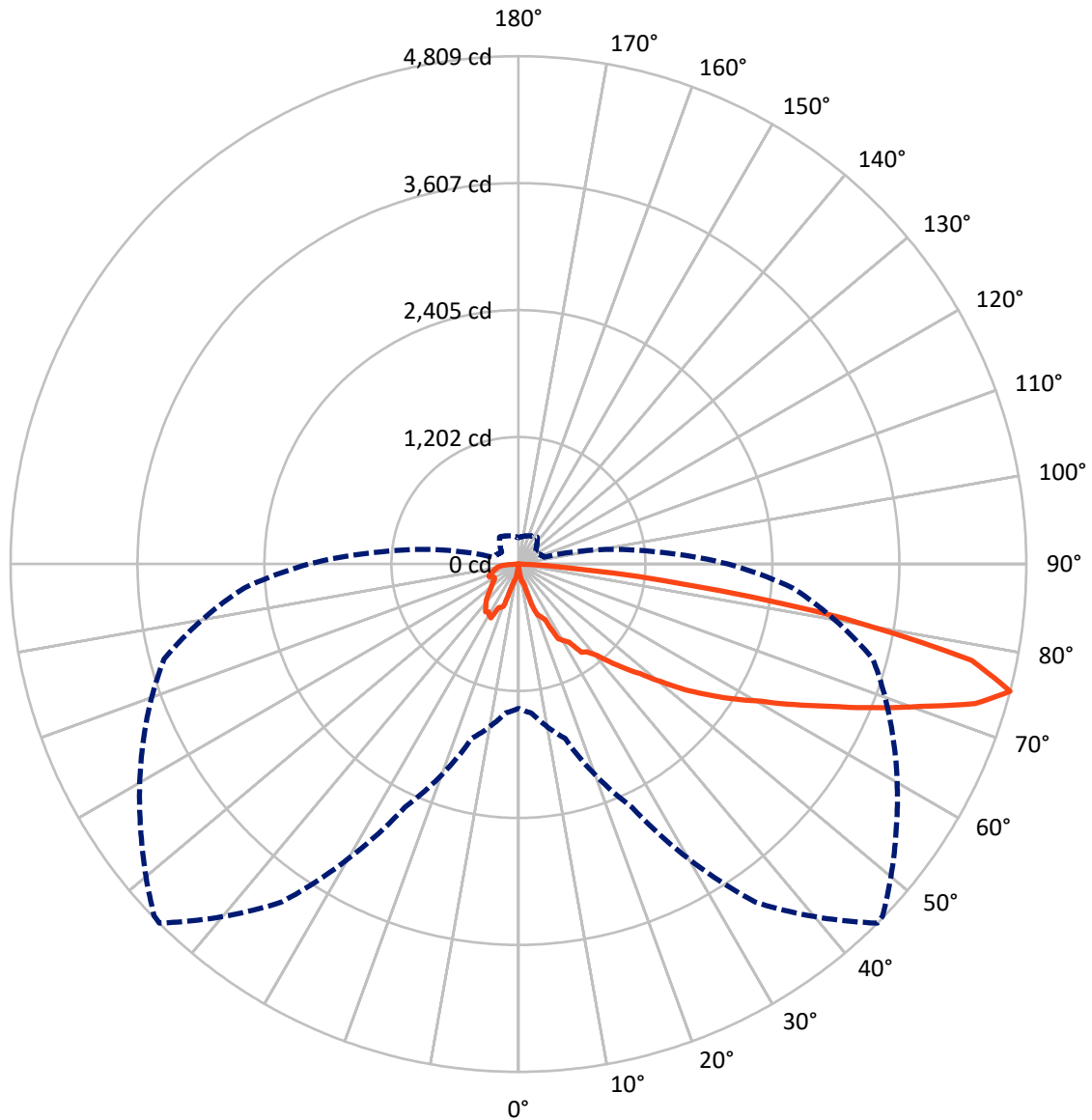
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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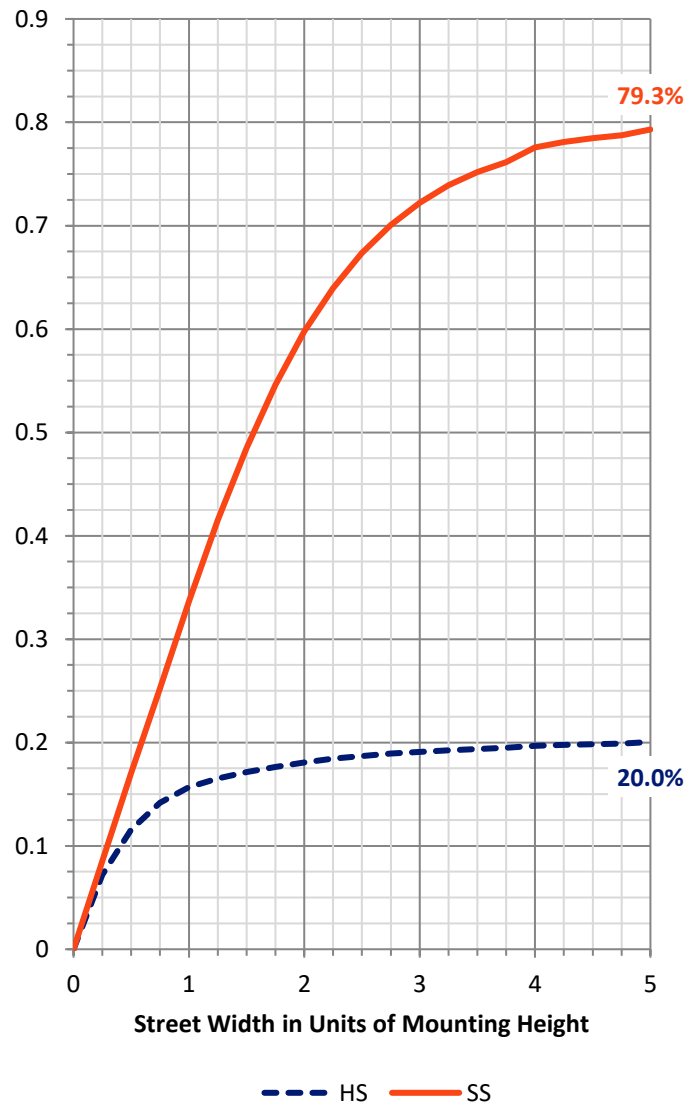
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1542.8	0.0	1542.8
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5979.2	0.0	5979.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	7522.0	0.0	7522.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	77.7	1.0
20°-30°	289.0	3.8
30°-40°	595.5	7.9
40°-50°	944.2	12.6
50°-60°	1492.6	19.8
60°-70°	2097.0	27.9
70°-80°	1745.7	23.2
80°-90°	275.3	3.7
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°	7522.0	100.0
0°-180°	7522.0	100.0



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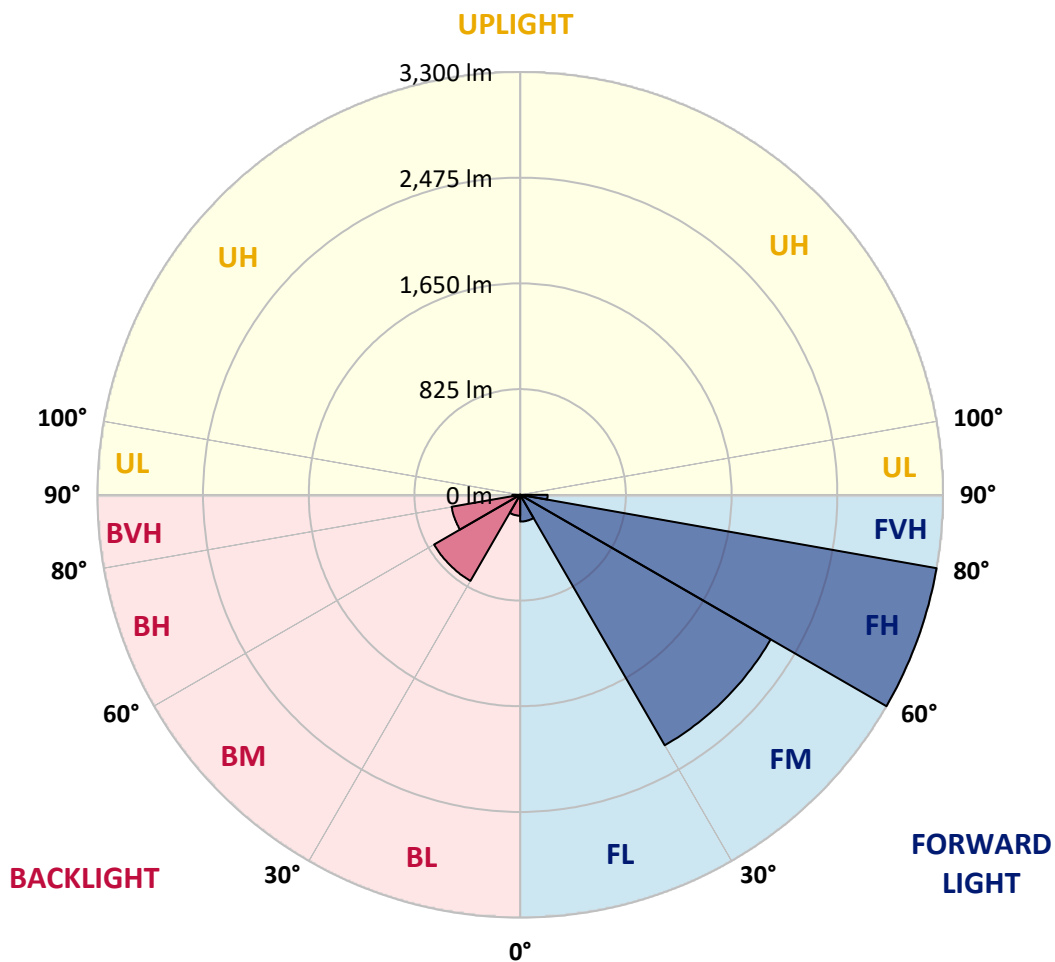
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.9	2.8			
FM	(30°-60°)	2257.0	30.0			
FH	(60°-80°)	3299.7	43.9			G2/5000
FVH	(80°-90°)	213.8	2.8			G2/225
BL	(0°-30°)	162.8	2.2	B1/500		
BM	(30°-60°)	775.4	10.3	B1/1000		
BH	(60°-80°)	543.1	7.2	B2/1000		G2/1000
BVH	(80°-90°)	61.5	0.8			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	4.1	4.1	4.1	4.1	4.1	3.3	3.3	2.4	3.3	3.3	3.3
5°	57.9	54.7	43.2	38.3	31.8	13.1	10.6	4.9	4.1	4.1	3.3
7.5°	172.1	170.5	168.1	162.3	155.0	97.1	84.0	30.2	5.7	4.1	3.3
10°	190.1	186.8	182.7	177.0	170.5	162.3	161.5	148.5	26.9	9.0	7.3
12.5°	373.6	367.1	306.7	221.9	183.6	173.8	173.8	168.1	121.6	42.4	99.5
15°	401.4	398.1	386.7	372.0	350.0	201.5	197.4	262.7	323.9	226.8	240.7
17.5°	451.1	443.8	408.7	390.8	374.4	406.3	403.8	376.1	354.9	251.3	270.0
20°	629.0	624.9	610.2	437.3	403.0	513.9	515.6	426.7	385.9	444.6	441.3
22.5°	643.7	642.8	632.2	606.1	638.8	539.2	540.0	567.0	563.7	589.8	535.2
25°	841.9	839.4	681.2	624.9	697.5	580.8	606.9	703.2	628.2	639.6	668.1
27.5°	863.9	862.3	853.3	814.2	722.0	800.3	800.3	726.9	800.3	837.8	842.7
30°	982.2	951.2	888.4	869.6	841.1	840.3	842.7	841.9	925.9	877.0	925.9
32.5°	1155.2	1148.6	1125.8	943.0	934.9	881.0	908.8	972.4	966.7	1115.2	1178.8
35°	1404.8	1315.9	1235.1	1088.3	970.8	1026.3	1030.3	1008.3	1125.8	1173.1	1262.8
37.5°	1753.1	1728.6	1614.4	1225.3	1081.7	1054.8	1057.3	1129.0	1196.8	1249.0	1349.3
40°	2006.8	1993.8	1914.6	1500.2	1186.2	1132.3	1138.0	1184.5	1247.3	1340.3	1444.8
42.5°	2249.9	2249.9	2203.4	1735.2	1410.5	1264.5	1260.4	1270.2	1315.0	1412.9	1585.9
45°	2408.2	2399.2	2438.4	1956.3	1577.7	1406.4	1390.9	1388.5	1404.8	1520.6	1775.1
47.5°	2567.3	2542.8	2580.3	2179.8	1796.4	1553.3	1554.9	1524.7	1546.7	1724.6	2033.8
50°	2735.3	2740.2	2735.3	2368.2	2010.9	1753.1	1739.3	1700.9	1745.0	1963.6	2323.4
52.5°	2975.2	2958.0	2909.9	2608.1	2285.0	1975.0	1953.0	1897.5	2001.1	2245.0	2685.6
55°	3149.7	3133.4	3120.4	2865.0	2495.5	2189.6	2176.5	2115.3	2309.5	2528.9	3059.2
57.5°	3339.8	3320.2	3357.8	3215.8	2825.9	2413.9	2396.8	2359.2	2626.0	2852.8	3439.3
60°	3467.9	3468.7	3571.5	3468.7	3101.6	2638.2	2621.9	2649.7	2915.6	3149.7	3849.7
62.5°	3467.9	3494.8	3720.8	3745.3	3396.9	2931.1	2902.6	2918.1	3230.5	3461.4	4186.6
65°	3139.1	3172.6	3699.6	3825.2	3693.1	3247.6	3233.8	3224.0	3528.3	3707.7	4450.9
67.5°	2803.9	2845.5	3378.2	3829.3	3935.3	3631.9	3581.3	3498.9	3785.2	3891.3	4592.9
70°	2571.4	2605.6	3029.0	3698.0	4092.0	4034.9	4001.4	3784.4	3957.4	4007.9	4433.0
72.5°	2193.6	2196.9	2573.8	3420.6	4197.2	4521.9	4443.6	4100.9	4054.4	3932.1	3759.1
75°	1367.3	1417.0	1710.7	2538.7	3906.8	4809.0	4794.4	4366.9	3915.8	3474.4	2606.4
77.5°	509.0	538.4	715.4	1303.6	2795.7	4386.5	4399.5	4078.1	3312.1	2517.5	1399.9
80°	165.6	177.8	236.6	420.1	1241.6	3122.0	3224.0	2892.8	2031.3	1279.2	589.8
82.5°	92.2	88.9	137.1	217.8	530.3	1617.7	1684.6	1390.9	957.7	535.2	220.3
85°	42.4	44.1	65.3	118.3	283.1	451.1	487.0	475.6	363.0	220.3	80.8
87.5°	9.0	10.6	14.7	27.7	44.1	38.3	27.7	48.9	71.0	52.2	13.9
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	3.3	3.3	2.4	2.4	1.6	1.6	0.8	0.8	1.6	1.6	1.6
5°	3.3	3.3	2.4	2.4	2.4	2.4	3.3	5.7	6.5	7.3	6.5
7.5°	3.3	3.3	3.3	3.3	4.1	8.2	38.3	117.5	124.8	127.3	130.5
10°	7.3	6.5	6.5	7.3	25.3	123.2	148.5	156.6	160.7	163.2	162.3
12.5°	113.4	112.6	41.6	25.3	118.3	155.8	159.9	164.8	172.9	181.1	177.8
15°	239.8	239.0	220.3	228.4	230.1	169.7	172.9	283.1	301.8	314.1	318.2
17.5°	261.1	263.5	256.2	315.7	323.1	257.0	288.0	315.7	322.2	326.3	327.1
20°	484.6	435.6	372.8	353.2	344.3	424.2	321.4	324.7	419.3	449.5	452.8
22.5°	532.7	528.6	494.4	509.0	429.9	442.2	416.1	438.9	481.3	490.3	490.3
25°	687.7	680.4	564.5	530.3	545.8	454.4	525.4	478.0	493.5	509.9	511.5
27.5°	845.2	836.2	753.8	596.3	540.9	573.5	533.5	576.8	624.1	646.9	647.7
30°	918.6	906.3	786.4	672.2	562.9	561.3	560.4	637.9	633.9	648.5	652.6
32.5°	1220.4	1200.8	1005.0	660.8	584.1	533.5	594.7	620.8	713.8	759.5	764.4
35°	1293.8	1269.4	1009.9	730.9	551.5	549.8	551.5	637.1	687.7	720.3	727.7
37.5°	1377.9	1344.4	998.5	685.3	564.5	512.3	524.5	575.1	685.3	758.7	764.4
40°	1482.3	1430.9	995.3	639.6	526.2	484.6	482.1	549.8	598.8	643.7	647.7
42.5°	1626.7	1544.3	990.4	592.3	481.3	451.1	455.2	484.6	523.7	519.7	526.2
45°	1818.4	1685.4	982.2	550.7	435.6	409.5	407.1	428.3	446.2	420.1	412.8
47.5°	2058.2	1860.0	995.3	510.7	393.2	368.7	369.6	378.5	381.8	353.2	346.7
50°	2330.7	2057.4	1009.1	466.6	358.9	340.2	336.1	339.4	334.5	306.7	304.3
52.5°	2655.4	2289.1	1016.5	425.0	331.2	316.5	311.6	309.2	301.8	283.1	280.6
55°	3031.5	2567.3	1032.0	391.6	308.4	294.5	292.1	288.8	286.3	275.7	274.1
57.5°	3416.5	2874.0	1023.0	357.3	286.3	274.1	279.0	284.7	291.2	287.2	286.3
60°	3769.7	3118.7	912.0	327.1	265.1	261.9	283.1	310.0	314.9	319.0	318.2
62.5°	4034.1	3241.9	723.6	301.0	250.4	262.7	314.1	351.6	346.7	336.1	333.7
65°	4127.1	3207.7	557.2	281.4	243.1	284.7	346.7	366.3	338.6	319.0	314.9
67.5°	4065.1	3038.8	431.6	265.1	239.0	303.5	358.1	352.4	320.6	305.9	300.2
70°	3747.7	2687.2	342.6	251.3	234.9	292.1	352.4	336.1	305.9	292.9	283.9
72.5°	3066.5	2125.1	293.7	235.8	217.8	268.4	334.5	314.1	292.9	275.7	267.6
75°	1983.2	1306.9	255.3	217.8	195.0	243.1	311.6	292.9	274.9	257.8	249.6
77.5°	954.5	593.9	223.5	195.8	173.8	224.3	292.9	270.8	252.9	235.8	226.0
80°	402.2	280.6	190.9	173.8	158.3	210.5	272.5	247.2	226.8	214.6	203.9
82.5°	195.8	155.0	145.2	141.1	137.9	191.7	250.4	219.4	198.2	186.8	163.2
85°	66.1	66.9	89.7	87.3	97.1	153.4	204.8	166.4	148.5	128.9	120.7
87.5°	6.5	9.0	12.2	15.5	31.8	42.4	70.2	57.1	44.9	17.1	11.4
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)