

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: P416517

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-827-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6247 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 74
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

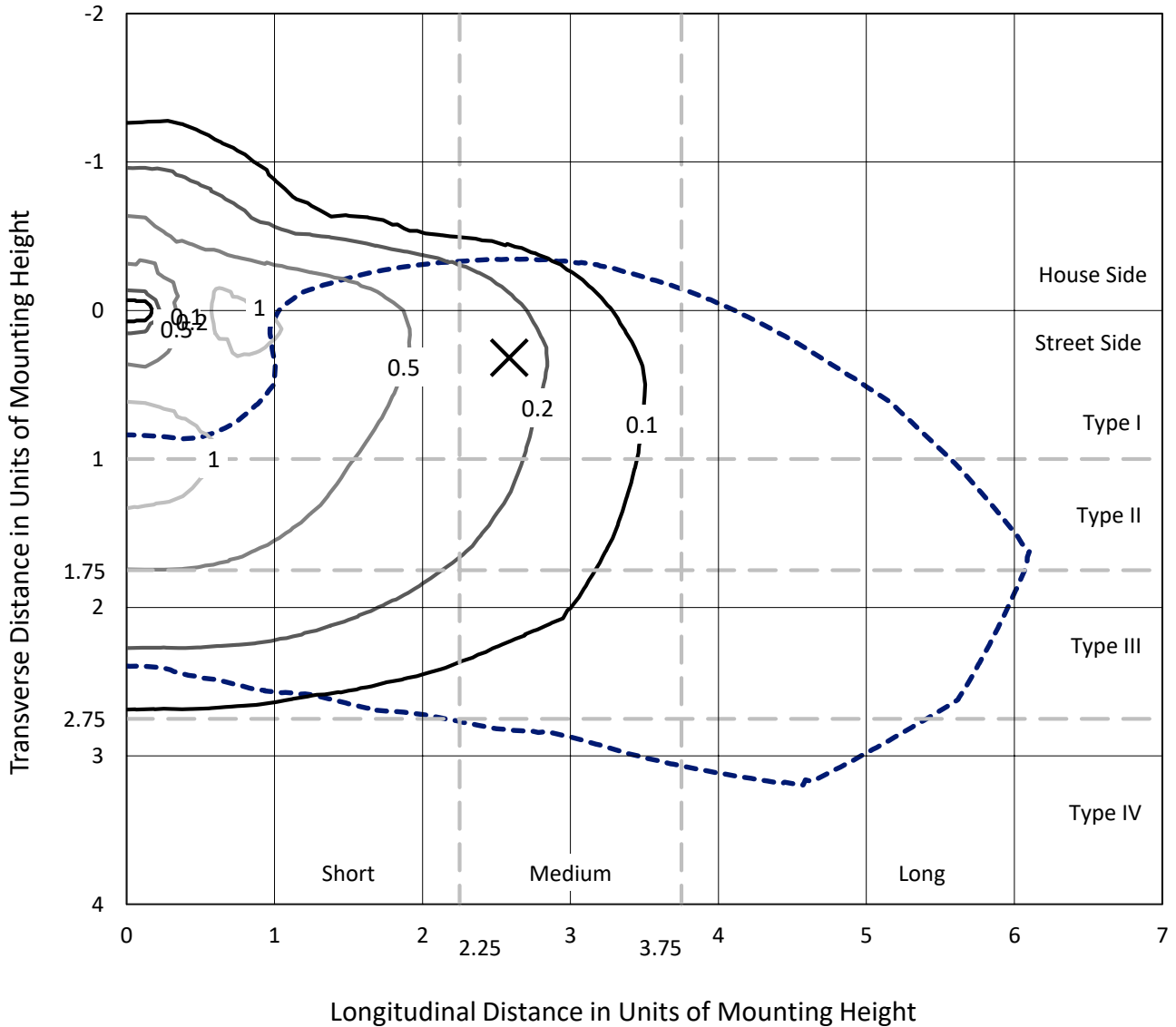


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

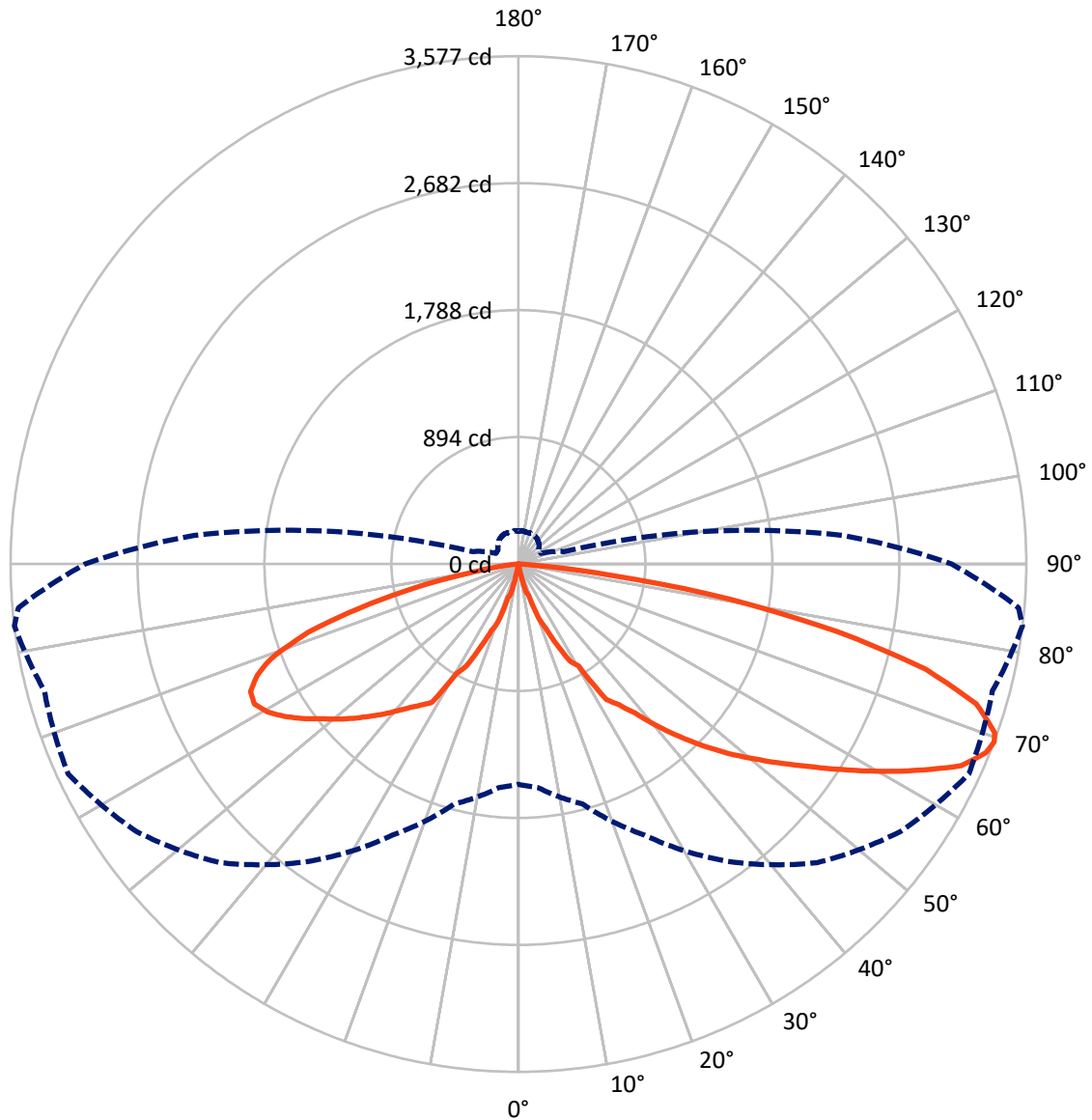


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1325.0	0.0	1325.0
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	4922.0	0.0	4922.0
	% Fixture	78.8	0.0	78.8
Total	Lumens	6247.0	0.0	6247.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	63.5	1.0
20°-30°	250.5	4.0
30°-40°	557.5	8.9
40°-50°	946.6	15.2
50°-60°	1410.7	22.6
60°-70°	1661.4	26.6
70°-80°	1162.9	18.6
80°-90°	189.8	3.0
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°	6247.0	100.0
0°-180°	6247.0	100.0

Coefficient of Utilization



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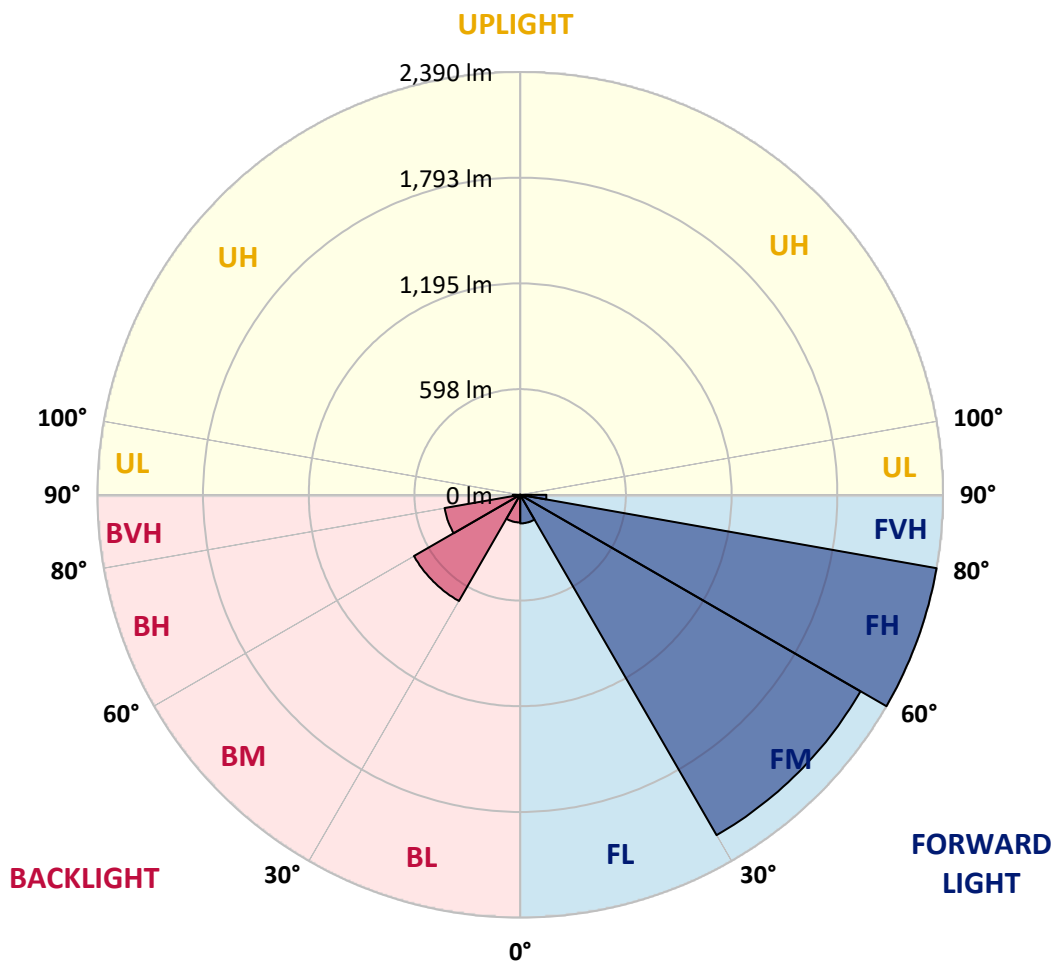
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.8	2.6			
FM	(30°-60°)	2221.5	35.6			
FH	(60°-80°)	2390.3	38.3			G2/5000
FVH	(80°-90°)	148.4	2.4			G2/225
BL	(0°-30°)	156.3	2.5	B1/500		
BM	(30°-60°)	693.3	11.1	B1/1000		
BH	(60°-80°)	434.0	6.9	B1/500		G1/500
BVH	(80°-90°)	41.5	0.7			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°	65°	75°	83°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	3.4	2.7	3.4	4.0	4.0	3.4	2.7	2.7	2.7	2.7	2.0
5°	54.5	39.7	35.6	31.6	18.8	6.7	4.0	2.7	2.7	2.7	2.7
7.5°	115.0	115.0	115.0	115.7	115.0	85.4	20.2	4.7	2.7	2.7	2.7
10°	116.3	115.7	115.0	115.7	117.0	117.7	113.7	16.1	6.7	6.1	6.1
12.5°	210.5	209.2	201.8	141.2	119.7	120.4	123.1	88.8	32.3	85.4	99.5
15°	223.3	221.9	221.9	222.6	211.2	131.1	184.9	242.1	172.2	205.8	209.2
17.5°	250.2	242.8	236.7	232.7	234.0	260.9	262.3	267.7	200.4	230.7	234.7
20°	383.3	380.6	359.1	275.1	256.9	339.0	302.0	297.3	375.3	407.5	414.3
22.5°	437.8	435.1	419.7	404.9	422.3	369.2	429.7	443.2	508.4	488.9	495.0
25°	594.5	592.5	506.4	468.7	515.2	424.4	530.6	507.8	561.6	626.1	632.8
27.5°	727.7	723.0	705.5	632.2	575.0	636.2	587.1	678.6	762.6	773.4	793.6
30°	864.2	833.3	779.5	782.1	708.2	701.4	699.4	814.4	817.1	833.9	868.2
32.5°	1087.5	1073.3	1028.3	889.1	872.9	779.5	860.8	868.2	1067.3	1137.2	1144.0
35°	1266.4	1205.8	1163.5	1084.8	962.4	992.6	959.0	1092.2	1170.9	1215.9	1243.5
37.5°	1551.5	1559.6	1490.3	1203.8	1127.1	1092.2	1150.7	1222.6	1320.8	1331.6	1373.3
40°	1756.6	1751.2	1657.8	1446.6	1275.1	1239.5	1278.5	1349.1	1482.2	1495.7	1505.8
42.5°	2055.2	2029.0	1898.5	1661.1	1502.4	1427.1	1437.9	1467.4	1600.6	1660.5	1648.4
45°	2331.6	2314.1	2182.3	1889.8	1717.6	1629.5	1613.4	1587.2	1747.2	1827.2	1805.0
47.5°	2548.2	2517.3	2441.9	2144.0	2011.5	1861.5	1780.8	1733.1	1892.5	1994.7	1963.8
50°	2780.2	2733.1	2665.2	2396.2	2265.7	2131.9	1954.3	1894.5	2055.9	2157.5	2132.6
52.5°	2934.2	2860.9	2818.5	2620.8	2500.4	2383.4	2123.2	2082.8	2235.5	2333.0	2327.6
55°	2856.9	2854.2	2897.2	2772.1	2655.1	2531.4	2298.7	2296.7	2423.1	2523.3	2528.0
57.5°	2722.4	2736.5	2858.9	2877.7	2828.0	2682.7	2515.9	2536.1	2643.7	2736.5	2746.6
60°	2550.9	2589.9	2766.1	2865.6	2905.3	2833.3	2725.1	2756.0	2884.4	2964.5	2961.8
62.5°	2324.2	2355.8	2575.1	2800.4	2881.1	2949.0	2918.1	3017.6	3119.2	3194.5	3214.0
65°	2056.6	2069.4	2306.8	2610.7	2819.2	3008.2	3079.5	3260.4	3309.5	3425.2	3429.2
67.5°	1760.0	1764.0	1970.5	2333.0	2684.7	3003.5	3216.7	3440.0	3427.2	3550.2	3540.8
69°	1551.5	1580.4	1749.9	2107.0	2554.2	2974.6	3284.6	3499.1	3456.1	3576.5	3535.4
70°	1404.9	1402.9	1596.6	1915.3	2439.2	2937.6	3327.6	3514.6	3456.8	3558.3	3496.4
72.5°	895.1	908.6	1076.0	1359.2	1965.8	2723.7	3380.8	3473.6	3382.8	3372.7	3240.2
75°	395.4	359.1	464.0	719.6	1236.1	2118.4	3253.0	3288.6	3172.3	2964.5	2737.2
77.5°	138.5	143.9	174.9	292.5	595.2	1262.3	2696.1	2893.2	2801.7	2302.0	2048.5
80°	98.9	99.5	117.0	163.4	288.5	445.2	1716.3	2092.9	2156.1	1517.9	1304.7
82.5°	69.9	69.9	86.8	104.2	199.7	199.1	738.4	1151.4	1230.0	673.2	503.7
85°	58.5	59.9	66.6	60.5	117.0	101.6	182.3	355.1	291.2	82.0	72.0
87.5°	8.7	8.1	22.9	20.2	17.5	14.8	20.2	22.9	15.5	12.1	8.7
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.7	2.7	2.7	2.7	2.0	1.3	1.3	1.3	2.0	2.0	2.0
5°	2.7	2.7	2.7	2.7	2.7	2.7	3.4	4.7	5.4	6.1	6.1
7.5°	2.7	2.7	2.7	3.4	4.0	6.1	33.0	114.3	125.1	130.5	133.8
10°	5.4	6.1	6.1	6.1	14.8	126.4	150.6	156.0	161.4	164.1	163.4
12.5°	104.2	107.6	26.9	19.5	117.7	158.0	162.8	168.1	173.5	177.5	176.9
15°	214.5	219.9	211.2	218.6	232.0	171.5	175.5	297.3	322.1	326.8	327.5
17.5°	239.4	243.5	247.5	322.1	330.2	254.2	304.0	326.2	328.9	330.2	330.9
20°	456.0	454.0	367.2	353.1	349.7	441.2	322.8	328.9	393.4	447.9	450.6
22.5°	503.0	509.1	484.9	518.5	459.3	446.6	406.9	435.8	460.0	459.3	457.3
25°	652.3	660.4	556.2	539.4	550.8	443.9	507.8	435.1	441.8	442.5	446.6
27.5°	815.8	817.8	772.1	607.3	542.1	549.5	478.2	463.4	517.8	521.2	521.2
30°	888.4	901.2	815.8	703.5	561.6	519.2	463.4	505.1	480.9	484.9	484.9
32.5°	1180.3	1170.2	1065.3	696.7	581.7	477.5	484.2	468.1	518.5	532.0	533.3
35°	1256.9	1236.1	1071.3	778.8	542.7	487.6	442.5	475.5	475.5	474.8	471.4
37.5°	1351.8	1315.5	1058.5	720.9	546.1	445.2	427.1	427.7	466.7	475.5	469.4
40°	1464.1	1409.6	1056.5	673.2	495.0	421.7	392.1	411.6	410.9	399.5	392.8
42.5°	1585.8	1513.8	1051.8	616.7	444.5	395.4	369.9	363.8	367.2	346.3	344.3
45°	1728.4	1621.5	1038.4	566.9	404.2	367.2	338.3	328.9	330.2	314.1	310.0
47.5°	1879.7	1732.4	1035.0	527.9	370.6	339.0	315.4	303.3	308.0	289.9	285.8
50°	2048.5	1846.7	1023.6	491.6	333.6	312.7	295.2	281.1	281.8	267.7	264.3
52.5°	2232.1	1957.7	1010.8	441.8	299.9	290.5	280.4	269.7	281.8	263.0	258.9
55°	2420.4	2092.9	994.0	384.0	269.7	273.7	263.6	271.7	289.2	259.6	254.2
57.5°	2629.6	2220.0	962.4	320.8	245.5	254.9	261.6	272.4	286.5	258.9	248.8
60°	2828.0	2342.4	887.1	271.0	224.6	239.4	257.6	268.3	267.0	254.2	247.5
62.5°	3029.7	2443.3	747.8	232.7	207.1	232.0	251.5	256.2	250.2	245.5	241.4
65°	3140.7	2468.2	579.7	207.1	193.0	221.9	244.1	248.2	239.4	239.4	236.1
67.5°	3122.5	2388.1	427.7	186.3	180.9	211.8	231.3	240.8	234.7	239.4	234.0
69°	3049.9	2296.7	336.3	175.5	174.9	203.8	223.9	234.7	230.0	236.7	230.0
70°	2964.5	2204.5	297.3	169.5	168.8	197.7	219.2	230.0	224.6	230.0	223.9
72.5°	2637.0	1891.8	213.2	152.7	154.7	185.6	207.8	215.9	211.2	212.5	204.4
75°	2108.4	1406.2	168.8	138.5	140.6	171.5	195.0	199.7	196.4	190.3	185.6
77.5°	1482.2	906.6	138.5	125.8	126.4	154.7	181.6	180.9	175.5	169.5	163.4
80°	808.4	426.4	117.7	110.3	112.3	137.9	162.1	160.1	153.3	147.3	139.9
82.5°	349.7	172.2	91.5	88.1	94.2	115.7	139.2	133.8	127.8	130.5	101.6
85°	62.5	59.2	53.1	56.5	63.9	82.0	98.2	93.5	90.1	76.7	70.6
87.5°	5.4	8.1	8.1	10.1	14.1	15.5	27.6	20.2	20.8	8.1	4.0
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)