

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: P416976

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-830-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7380 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

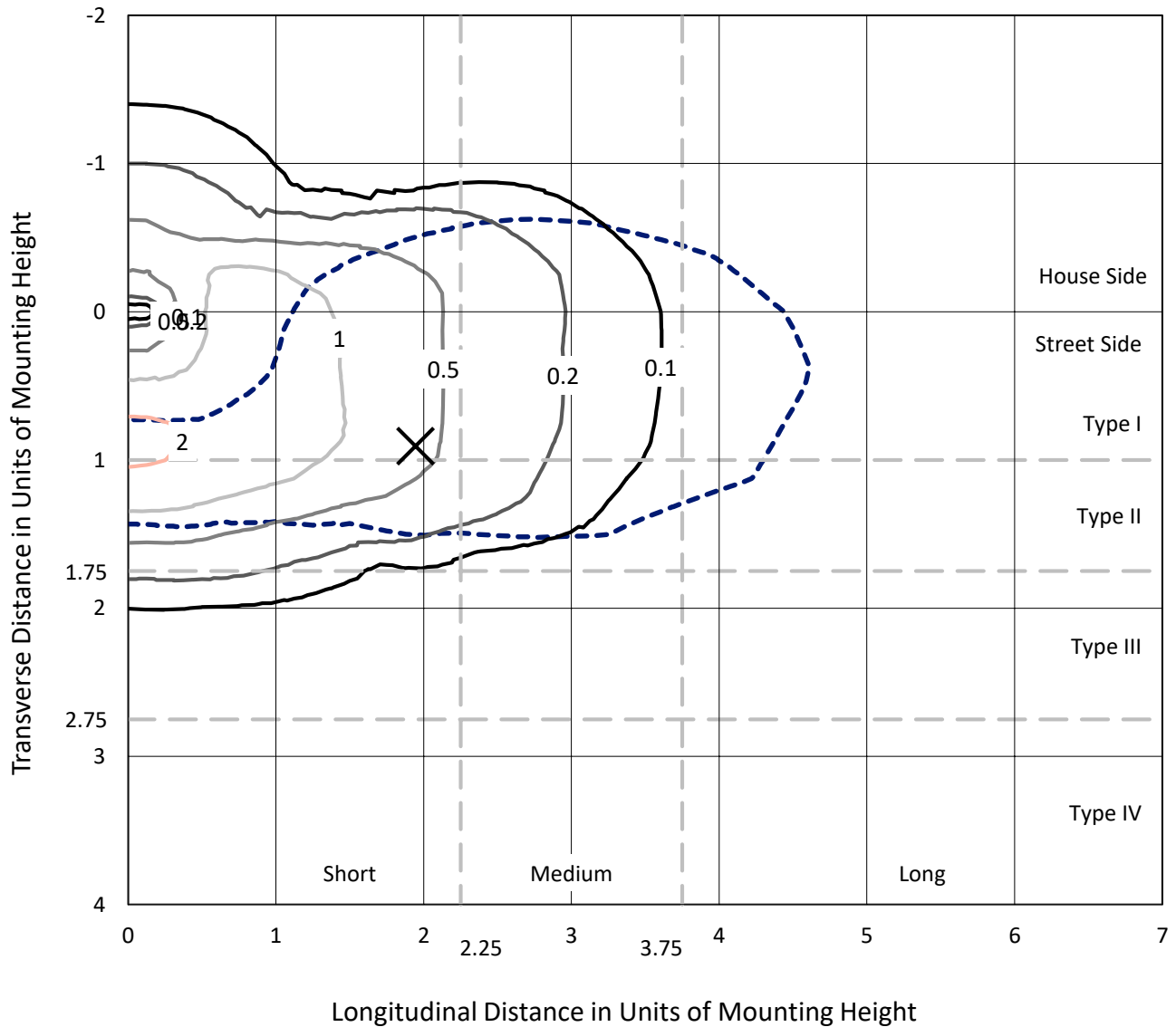
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

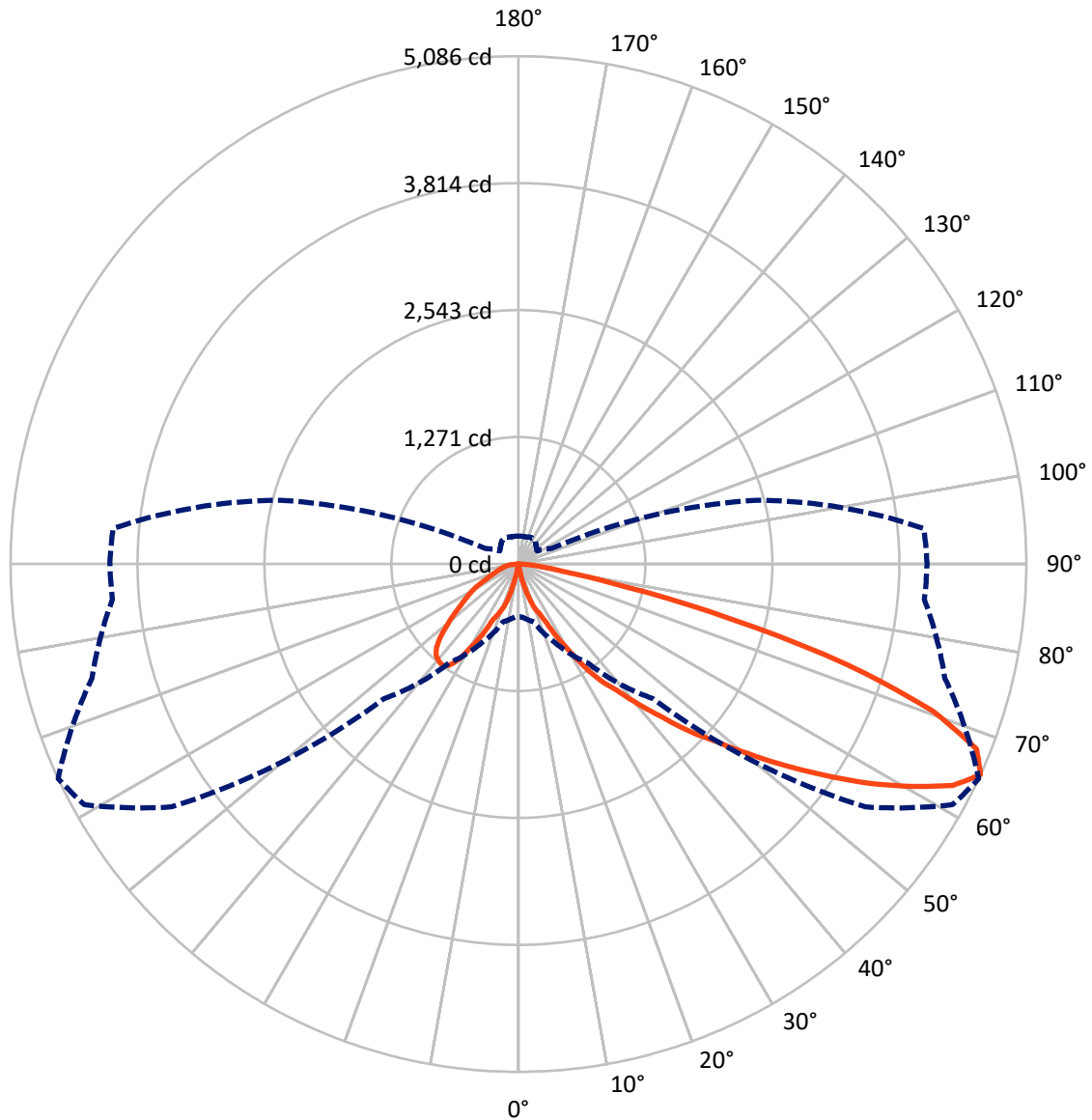
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1991.3	0.0	1991.3
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	5388.7	0.0	5388.7
	% Fixture	73.0	0.0	73.0
Total	Lumens	7380.0	0.0	7380.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	81.5	1.1
20°-30°	313.9	4.3
30°-40°	785.6	10.6
40°-50°	1462.6	19.8
50°-60°	1915.3	26.0
60°-70°	1717.0	23.3
70°-80°	944.4	12.8
80°-90°	154.3	2.1
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°	7380.0	100.0
0°-180°	7380.0	100.0



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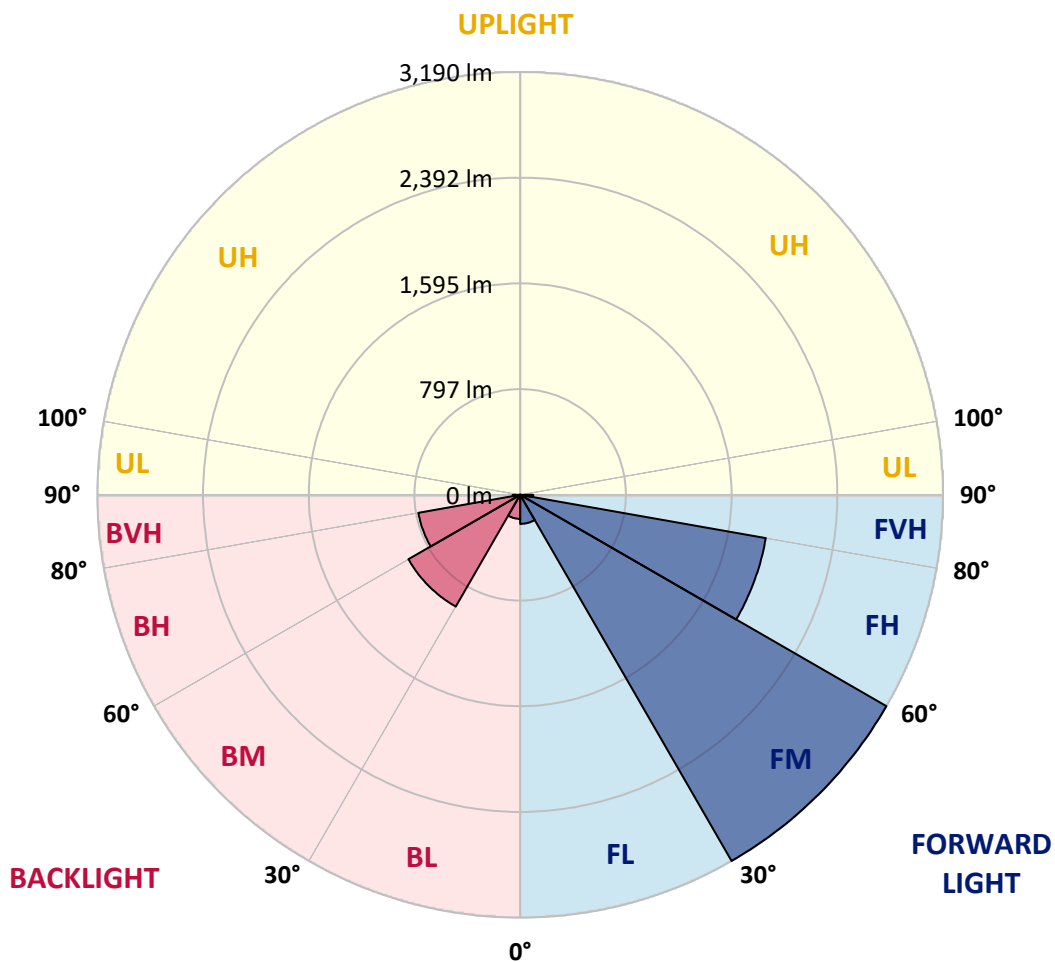
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.4	3.0			
FM (30°-60°)	3189.8	43.2			
FH (60°-80°)	1881.6	25.5			G2/5000
FVH (80°-90°)	97.9	1.3			G1/100
BL (0°-30°)	181.4	2.5	B1/500		
BM (30°-60°)	973.7	13.2	B1/1000		
BH (60°-80°)	779.8	10.6	B2/1000		G2/1000
BVH (80°-90°)	56.4	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	4.0	4.0	4.8	5.6	5.6	4.8	4.0	3.2	2.4	1.6	1.6
5°	36.6	32.6	25.4	17.5	10.3	7.9	6.4	4.8	4.0	2.4	1.6
7.5°	178.8	178.0	177.2	178.0	174.0	68.3	12.7	7.9	6.4	3.2	2.4
10°	179.6	178.8	178.0	179.6	179.6	177.2	168.5	24.6	12.7	7.9	7.9
12.5°	319.4	308.3	213.0	187.5	181.2	181.2	181.2	162.1	154.2	113.6	137.5
15°	335.3	333.0	332.2	333.8	295.6	195.5	273.4	257.5	260.6	222.5	263.8
17.5°	352.8	348.8	345.7	346.5	333.0	383.8	359.2	367.1	370.3	281.3	308.3
20°	546.7	546.7	505.4	383.0	420.4	481.6	397.3	436.3	483.1	420.4	431.5
22.5°	620.6	615.1	609.5	577.7	528.4	525.3	577.7	506.2	537.2	617.4	570.6
25°	843.9	845.5	708.8	666.7	738.2	643.7	689.8	685.8	649.2	748.6	723.1
27.5°	1068.0	1071.2	1056.1	940.1	843.9	828.0	785.1	846.3	836.8	830.4	890.0
30°	1277.0	1276.2	1207.9	1159.4	1107.7	1015.6	967.9	980.6	1018.7	983.8	1110.1
32.5°	1776.8	1763.3	1690.2	1382.7	1303.2	1216.6	1203.1	1167.3	1243.6	1219.0	1335.8
35°	2109.8	2106.6	1973.9	1800.7	1549.6	1453.4	1455.0	1388.2	1451.0	1482.8	1501.1
37.5°	2853.6	2842.4	2640.6	2132.8	1935.0	1737.1	1700.5	1668.8	1603.6	1695.8	1695.0
40°	3254.1	3222.3	3044.3	2709.7	2271.9	2033.5	1957.2	1888.9	1842.0	1896.0	1888.9
42.5°	3565.6	3540.9	3415.4	3068.9	2711.3	2526.2	2241.7	2176.5	2082.0	2146.3	2113.0
45°	3788.9	3776.1	3664.1	3406.6	3132.5	2996.6	2562.7	2461.0	2379.2	2370.4	2350.6
47.5°	3831.8	3804.8	3771.4	3626.8	3509.9	3469.4	2960.0	2784.4	2649.3	2623.9	2590.5
50°	3629.1	3621.2	3664.9	3638.7	3780.9	3875.5	3418.6	3175.4	2986.3	2896.5	2832.1
52.5°	3159.5	3176.2	3343.9	3460.7	3815.1	4158.4	3849.3	3614.0	3355.8	3157.9	3071.3
55°	2510.3	2570.7	2819.4	3062.6	3601.3	4280.7	4257.7	4072.5	3739.6	3450.3	3322.4
57.5°	1927.8	1921.4	2241.7	2462.6	3167.4	4198.9	4523.1	4470.7	4143.3	3753.9	3562.4
60°	1249.2	1243.6	1621.9	1904.8	2441.1	3779.3	4660.6	4798.1	4522.3	4016.1	3778.5
62.5°	815.3	849.5	993.3	1395.4	1743.4	2922.7	4614.5	5001.5	4883.1	4259.3	3985.9
65°	524.5	537.2	600.0	869.3	1208.7	1906.3	4241.0	4971.3	5085.7	4421.4	4080.5
67.5°	391.0	394.1	424.3	540.4	822.5	996.5	3328.8	4551.7	4948.2	4432.5	4049.5
70°	343.3	349.6	379.0	407.7	611.9	627.0	1946.1	3659.3	4396.8	4272.8	3893.0
72.5°	293.2	299.6	338.5	379.8	468.0	470.4	727.9	2431.6	3442.4	3948.6	3641.8
75°	239.2	243.2	277.3	333.0	390.2	377.5	421.2	1099.0	2203.5	3281.9	3248.5
77.5°	193.1	196.3	220.9	265.4	345.7	289.3	313.9	471.2	1095.0	2369.6	2631.9
80°	139.9	141.4	165.3	203.4	259.8	258.3	234.4	298.8	452.2	1384.3	1742.7
82.5°	89.0	89.0	113.6	133.5	172.4	255.1	164.5	201.0	252.7	689.0	838.3
85°	50.1	51.7	71.5	77.9	100.9	155.0	118.4	111.3	136.7	249.5	206.6
87.5°	9.5	11.9	20.7	22.3	26.2	36.6	42.9	38.9	40.5	58.0	34.2
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	1.6	2.4	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.4	2.4
5°	1.6	2.4	3.2	3.2	4.0	5.6	6.4	6.4	7.2	7.9	7.2
7.5°	1.6	2.4	3.2	4.8	6.4	12.7	46.1	162.9	174.8	177.2	180.4
10°	7.2	7.2	7.9	8.7	35.8	170.8	183.6	185.2	186.7	187.5	188.3
12.5°	139.9	138.3	137.5	105.7	162.9	188.3	190.7	192.3	194.7	232.0	251.1
15°	267.0	267.8	254.3	244.0	283.7	206.6	220.1	340.1	352.0	356.0	358.4
17.5°	305.9	319.4	283.7	376.7	373.5	314.7	346.5	364.7	366.3	368.7	369.5
20°	434.7	431.5	413.2	472.0	404.5	517.3	429.1	369.5	464.9	511.8	512.5
22.5°	564.2	565.0	538.8	545.1	581.7	532.4	429.9	487.9	499.8	499.0	496.7
25°	727.1	720.7	708.0	606.3	686.6	579.3	572.1	472.8	474.4	512.5	537.2
27.5°	889.2	873.3	823.3	785.9	712.8	644.5	540.4	511.8	551.5	549.1	549.9
30°	1113.3	1088.7	950.4	945.6	756.5	638.1	549.9	509.4	495.9	499.0	497.4
32.5°	1337.4	1292.9	1168.1	1127.6	806.6	594.4	504.6	470.4	509.4	514.9	511.8
35°	1475.7	1439.1	1396.2	1234.9	812.1	547.5	456.9	464.9	462.5	460.1	461.7
37.5°	1637.0	1577.4	1540.0	1271.4	766.0	488.7	435.5	429.1	467.3	468.0	464.9
40°	1817.3	1749.8	1666.4	1254.7	661.1	442.6	404.5	425.1	427.5	418.0	415.6
42.5°	2020.8	1922.2	1798.3	1232.5	548.3	415.6	392.6	394.9	396.5	386.2	382.2
45°	2225.8	2110.6	1911.1	1170.5	466.5	388.6	374.3	373.5	365.5	356.0	353.6
47.5°	2455.4	2320.4	2004.1	1062.4	408.4	367.9	362.4	347.3	349.6	340.9	340.1
50°	2692.3	2546.8	2057.3	932.9	370.3	350.4	340.9	336.1	342.5	332.2	330.6
52.5°	2924.3	2802.7	2141.6	816.9	337.7	335.3	331.4	333.0	335.3	324.2	323.4
55°	3176.2	3088.8	2218.6	706.4	309.1	314.7	328.2	327.4	326.6	316.3	316.3
57.5°	3407.4	3364.5	2297.3	621.4	286.9	296.4	321.0	321.0	317.1	308.3	307.5
60°	3676.0	3644.2	2372.0	545.1	267.8	279.7	312.3	313.1	305.9	299.6	298.0
62.5°	3920.0	3896.1	2431.6	464.9	247.1	265.4	299.6	305.1	294.8	290.0	290.0
65°	4091.6	4074.9	2464.2	365.5	227.3	251.1	286.1	294.0	280.5	279.7	279.7
67.5°	4106.7	4096.4	2396.6	305.1	213.0	237.6	269.4	277.3	265.4	267.8	263.0
70°	3966.1	3890.6	2205.1	254.3	198.7	220.1	249.5	259.1	247.1	247.9	240.0
72.5°	3668.9	3451.1	1866.6	216.1	182.8	201.0	228.1	236.8	225.7	223.3	214.6
75°	3169.0	2832.9	1299.2	187.5	166.1	180.4	201.8	210.6	203.4	191.5	189.1
77.5°	2454.7	2076.4	796.2	162.1	151.0	158.9	174.8	179.6	172.4	158.1	155.8
80°	1547.2	1245.2	383.8	140.7	131.1	135.1	145.4	149.4	143.8	129.5	121.6
82.5°	708.8	538.0	202.6	113.6	106.5	106.5	116.8	113.6	108.9	95.4	77.1
85°	165.3	170.1	93.8	69.9	67.5	60.4	69.9	69.1	62.0	47.7	39.7
87.5°	27.0	30.2	23.8	21.5	17.5	13.5	15.1	12.7	11.1	5.6	2.4
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)