

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: P416092

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416092  
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-PA1-60-827-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5569 lumens  
Efficiency: N/A  
Efficacy: 87.0 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

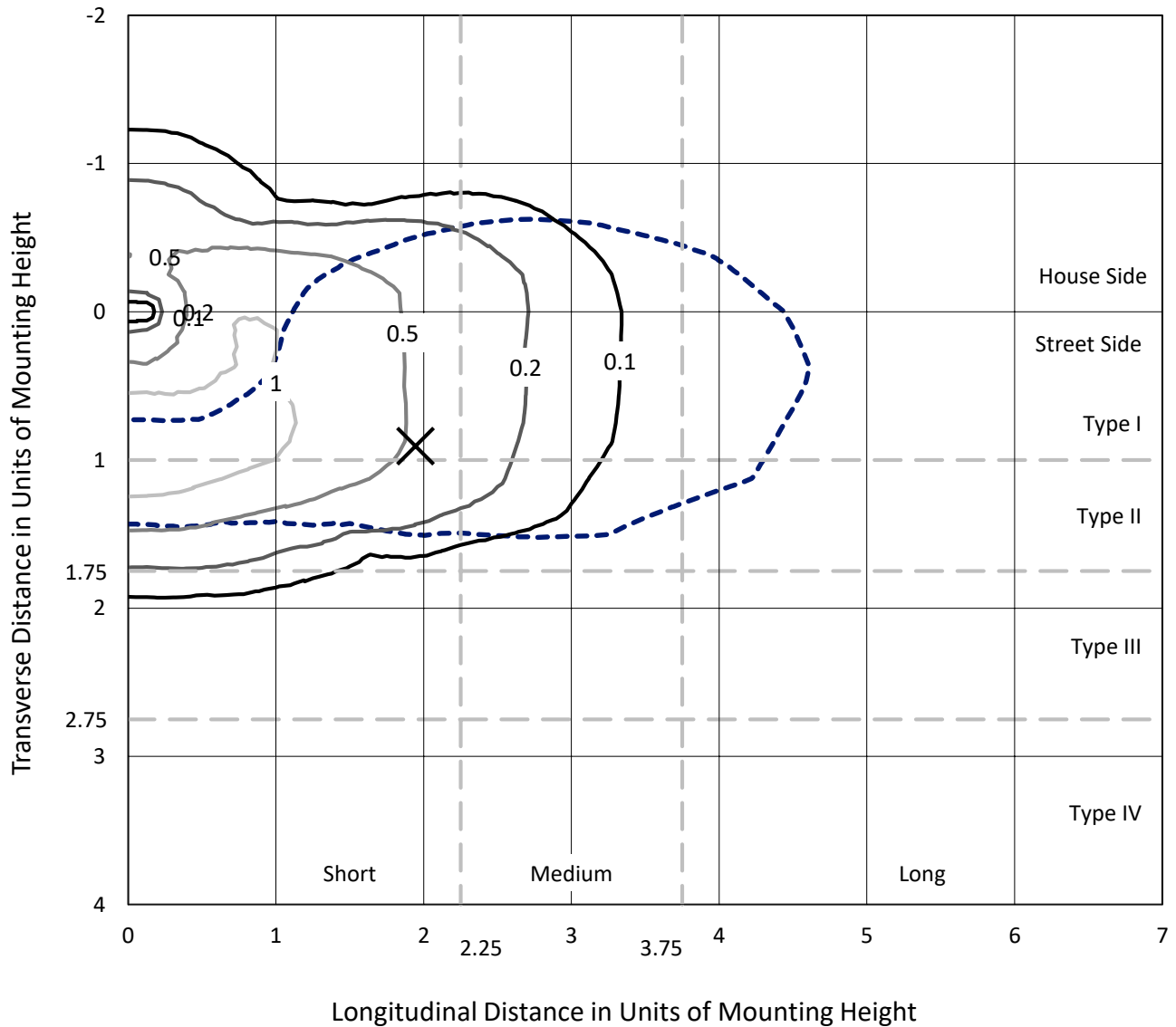
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

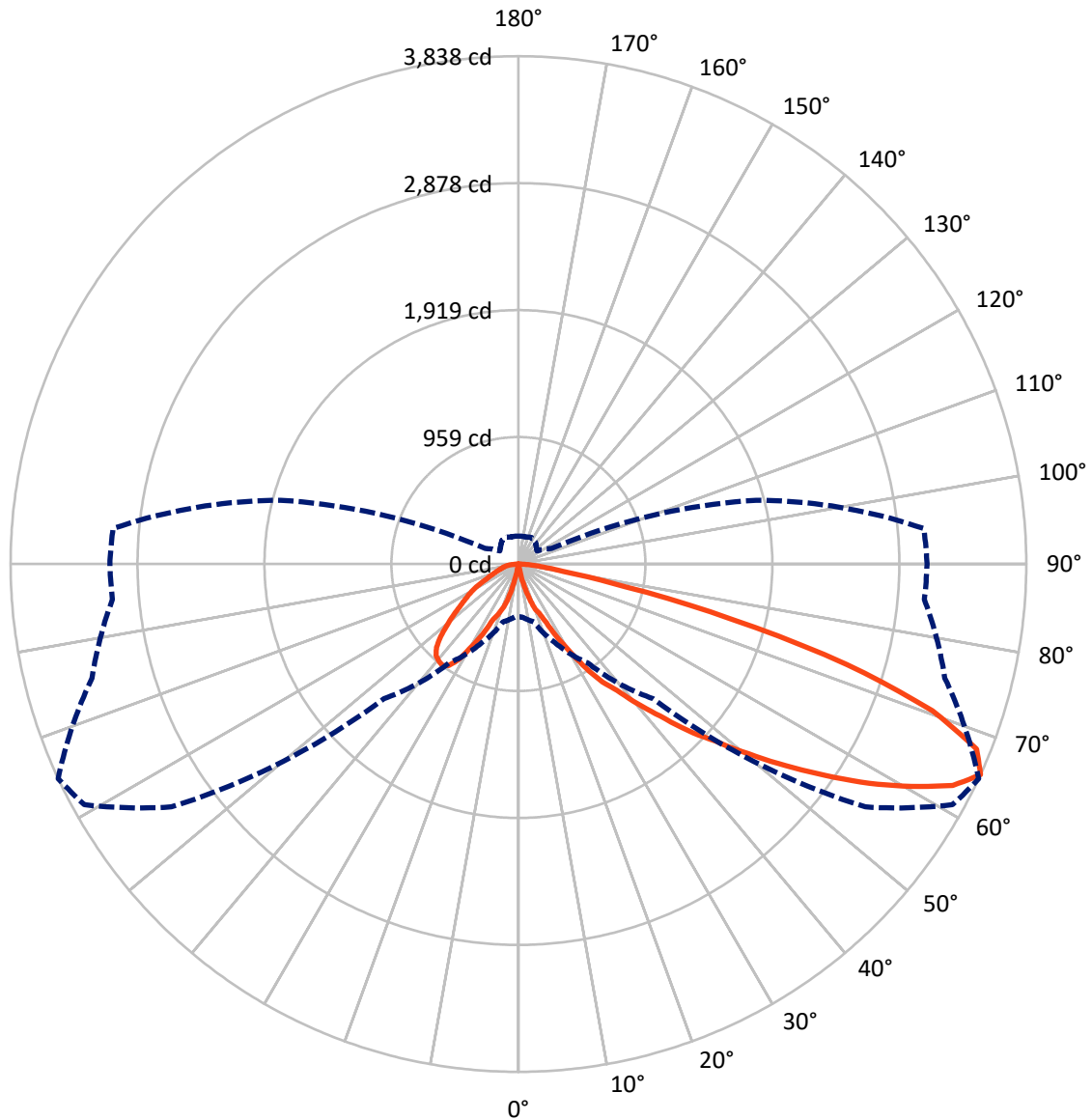


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type II - Short - Non-Cutoff

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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
<b>House Side</b>	Lumens	1502.7	0.0	1502.7
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	4066.3	0.0	4066.3
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	5569.0	0.0	5569.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	61.5	1.1
20°-30°	236.9	4.3
30°-40°	592.8	10.6
40°-50°	1103.7	19.8
50°-60°	1445.3	26.0
60°-70°	1295.7	23.3
70°-80°	712.7	12.8
80°-90°	116.4	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°	5569.0	100.0
0°-180°	5569.0	100.0



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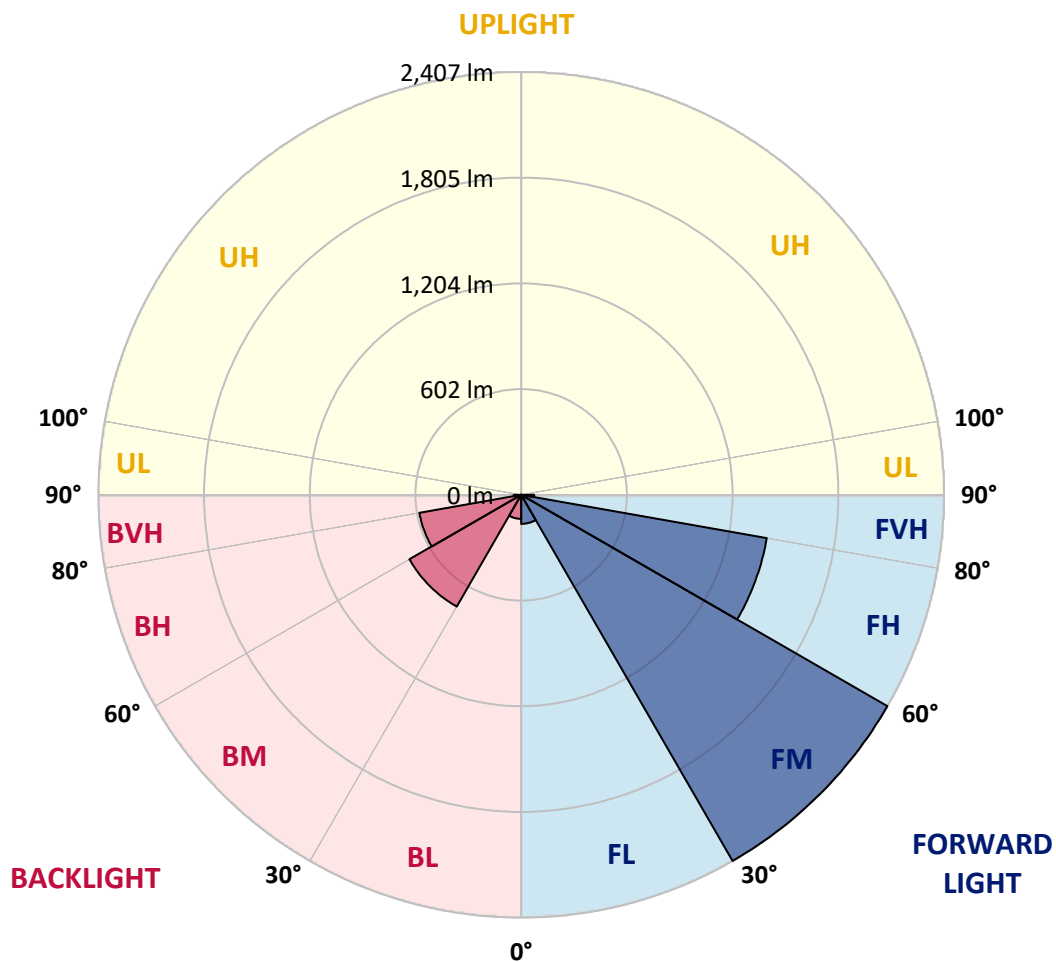
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.6	3.0			
FM (30°-60°)	2407.0	43.2			
FH (60°-80°)	1419.9	25.5			G1/1800
FVH (80°-90°)	73.9	1.3			G1/100
BL (0°-30°)	136.9	2.5	B1/500		
BM (30°-60°)	734.8	13.2	B1/1000		
BH (60°-80°)	588.5	10.6	B2/1000		G2/1000
BVH (80°-90°)	42.6	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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.0	3.0	3.6	4.2	4.2	3.6	3.0	2.4	1.8	1.2	1.2
5°	27.6	24.6	19.2	13.2	7.8	6.0	4.8	3.6	3.0	1.8	1.2
7.5°	134.9	134.3	133.7	134.3	131.3	51.6	9.6	6.0	4.8	2.4	1.8
10°	135.5	134.9	134.3	135.5	135.5	133.7	127.1	18.6	9.6	6.0	6.0
12.5°	241.1	232.7	160.7	141.5	136.7	136.7	136.7	122.3	116.3	85.7	103.7
15°	253.0	251.3	250.7	251.9	223.1	147.5	206.3	194.3	196.7	167.9	199.1
17.5°	266.2	263.2	260.8	261.4	251.3	289.6	271.0	277.0	279.4	212.3	232.7
20°	412.6	412.6	381.4	289.0	317.2	363.4	299.8	329.2	364.6	317.2	325.6
22.5°	468.3	464.1	459.9	435.9	398.8	396.4	435.9	382.0	405.4	465.9	430.5
25°	636.8	638.0	534.9	503.1	557.1	485.7	520.5	517.5	489.9	564.9	545.7
27.5°	805.9	808.3	796.9	709.4	636.8	624.8	592.4	638.6	631.4	626.6	671.6
30°	963.6	963.0	911.5	874.9	835.9	766.3	730.4	740.0	768.7	742.4	837.7
32.5°	1340.8	1330.6	1275.4	1043.4	983.4	918.1	907.9	880.9	938.4	919.9	1008.0
35°	1592.1	1589.7	1489.5	1358.8	1169.3	1096.7	1097.9	1047.6	1094.9	1118.9	1132.7
37.5°	2153.3	2144.9	1992.6	1609.4	1460.1	1310.8	1283.2	1259.3	1210.1	1279.6	1279.0
40°	2455.5	2431.6	2297.2	2044.8	1714.4	1534.5	1476.9	1425.4	1390.0	1430.7	1425.4
42.5°	2690.6	2672.0	2577.3	2315.8	2046.0	1906.3	1691.6	1642.4	1571.1	1619.6	1594.5
45°	2859.1	2849.5	2765.0	2570.7	2363.8	2261.3	1933.8	1857.1	1795.3	1788.7	1773.7
47.5°	2891.5	2871.1	2845.9	2736.8	2648.6	2618.0	2233.7	2101.2	1999.2	1980.0	1954.8
50°	2738.6	2732.6	2765.6	2745.8	2853.1	2924.5	2579.7	2396.2	2253.5	2185.7	2137.1
52.5°	2384.2	2396.8	2523.3	2611.4	2878.9	3137.9	2904.7	2727.2	2532.3	2383.0	2317.6
55°	1894.3	1939.8	2127.5	2311.0	2717.6	3230.3	3212.9	3073.2	2821.9	2603.7	2507.1
57.5°	1454.7	1449.9	1691.6	1858.3	2390.2	3168.5	3413.2	3373.6	3126.5	2832.7	2688.2
60°	942.6	938.4	1223.9	1437.3	1842.1	2851.9	3516.9	3620.6	3412.6	3030.6	2851.3
62.5°	615.2	641.0	749.6	1053.0	1315.6	2205.5	3482.1	3774.2	3684.8	3214.1	3007.8
65°	395.8	405.4	452.7	656.0	912.1	1438.5	3200.3	3751.4	3837.7	3336.4	3079.2
67.5°	295.0	297.4	320.2	407.8	620.6	752.0	2511.9	3434.8	3734.0	3344.8	3055.8
70°	259.0	263.8	286.0	307.6	461.7	473.1	1468.5	2761.4	3317.8	3224.3	2937.7
72.5°	221.3	226.1	255.4	286.6	353.2	355.0	549.3	1834.9	2597.7	2979.6	2748.2
75°	180.5	183.5	209.3	251.3	294.4	284.8	317.8	829.3	1662.8	2476.5	2451.3
77.5°	145.7	148.1	166.7	200.3	260.8	218.3	236.9	355.6	826.3	1788.1	1986.0
80°	105.5	106.7	124.7	153.5	196.1	194.9	176.9	225.5	341.2	1044.6	1315.0
82.5°	67.2	67.2	85.7	100.7	130.1	192.5	124.1	151.7	190.7	519.9	632.6
85°	37.8	39.0	54.0	58.8	76.2	116.9	89.3	84.0	103.1	188.3	155.9
87.5°	7.2	9.0	15.6	16.8	19.8	27.6	32.4	29.4	30.6	43.8	25.8
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.2	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.8	1.8
5°	1.2	1.8	2.4	2.4	3.0	4.2	4.8	4.8	5.4	6.0	5.4
7.5°	1.2	1.8	2.4	3.6	4.8	9.6	34.8	122.9	131.9	133.7	136.1
10°	5.4	5.4	6.0	6.6	27.0	128.9	138.5	139.7	140.9	141.5	142.1
12.5°	105.5	104.3	103.7	79.8	122.9	142.1	143.9	145.1	146.9	175.1	189.5
15°	201.5	202.1	191.9	184.1	214.1	155.9	166.1	256.6	265.6	268.6	270.4
17.5°	230.9	241.1	214.1	284.2	281.8	237.5	261.4	275.2	276.4	278.2	278.8
20°	328.0	325.6	311.8	356.2	305.2	390.4	323.8	278.8	350.8	386.2	386.8
22.5°	425.7	426.3	406.6	411.4	438.9	401.8	324.4	368.2	377.2	376.6	374.8
25°	548.7	543.9	534.3	457.5	518.1	437.1	431.7	356.8	358.0	386.8	405.4
27.5°	671.0	659.0	621.2	593.0	537.9	486.3	407.8	386.2	416.2	414.4	415.0
30°	840.1	821.5	717.2	713.6	570.9	481.5	415.0	384.4	374.2	376.6	375.4
32.5°	1009.2	975.6	881.5	850.9	608.6	448.5	380.8	355.0	384.4	388.6	386.2
35°	1113.5	1086.0	1053.6	931.8	612.8	413.2	344.8	350.8	349.0	347.2	348.4
37.5°	1235.3	1190.3	1162.1	959.4	578.1	368.8	328.6	323.8	352.6	353.2	350.8
40°	1371.4	1320.4	1257.5	946.8	498.9	334.0	305.2	320.8	322.6	315.4	313.6
42.5°	1524.9	1450.5	1357.0	930.0	413.8	313.6	296.2	298.0	299.2	291.4	288.4
45°	1679.6	1592.7	1442.1	883.3	352.0	293.2	282.4	281.8	275.8	268.6	266.8
47.5°	1852.9	1751.0	1512.3	801.7	308.2	277.6	273.4	262.0	263.8	257.2	256.6
50°	2031.6	1921.9	1552.5	704.0	279.4	264.4	257.2	253.6	258.4	250.7	249.5
52.5°	2206.7	2114.9	1616.0	616.4	254.8	253.0	250.1	251.3	253.0	244.7	244.1
55°	2396.8	2330.8	1674.2	533.1	233.3	237.5	247.7	247.1	246.5	238.7	238.7
57.5°	2571.3	2538.9	1733.6	468.9	216.5	223.7	242.3	242.3	239.3	232.7	232.1
60°	2774.0	2750.0	1789.9	411.4	202.1	211.1	235.7	236.3	230.9	226.1	224.9
62.5°	2958.0	2940.1	1834.9	350.8	186.5	200.3	226.1	230.3	222.5	218.9	218.9
65°	3087.6	3075.0	1859.5	275.8	171.5	189.5	215.9	221.9	211.7	211.1	211.1
67.5°	3099.0	3091.2	1808.5	230.3	160.7	179.3	203.3	209.3	200.3	202.1	198.5
70°	2992.8	2935.9	1664.0	191.9	149.9	166.1	188.3	195.5	186.5	187.1	181.1
72.5°	2768.6	2604.3	1408.6	163.1	137.9	151.7	172.1	178.7	170.3	168.5	161.9
75°	2391.4	2137.7	980.4	141.5	125.3	136.1	152.3	158.9	153.5	144.5	142.7
77.5°	1852.3	1566.9	600.8	122.3	113.9	119.9	131.9	135.5	130.1	119.3	117.5
80°	1167.5	939.6	289.6	106.1	98.9	101.9	109.7	112.7	108.5	97.7	91.7
82.5°	534.9	406.0	152.9	85.7	80.4	80.4	88.1	85.7	82.2	72.0	58.2
85°	124.7	128.3	70.8	52.8	51.0	45.6	52.8	52.2	46.8	36.0	30.0
87.5°	20.4	22.8	18.0	16.2	13.2	10.2	11.4	9.6	8.4	4.2	1.8
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)