

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: P415000

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415000
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-PA1-40-727-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4252 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

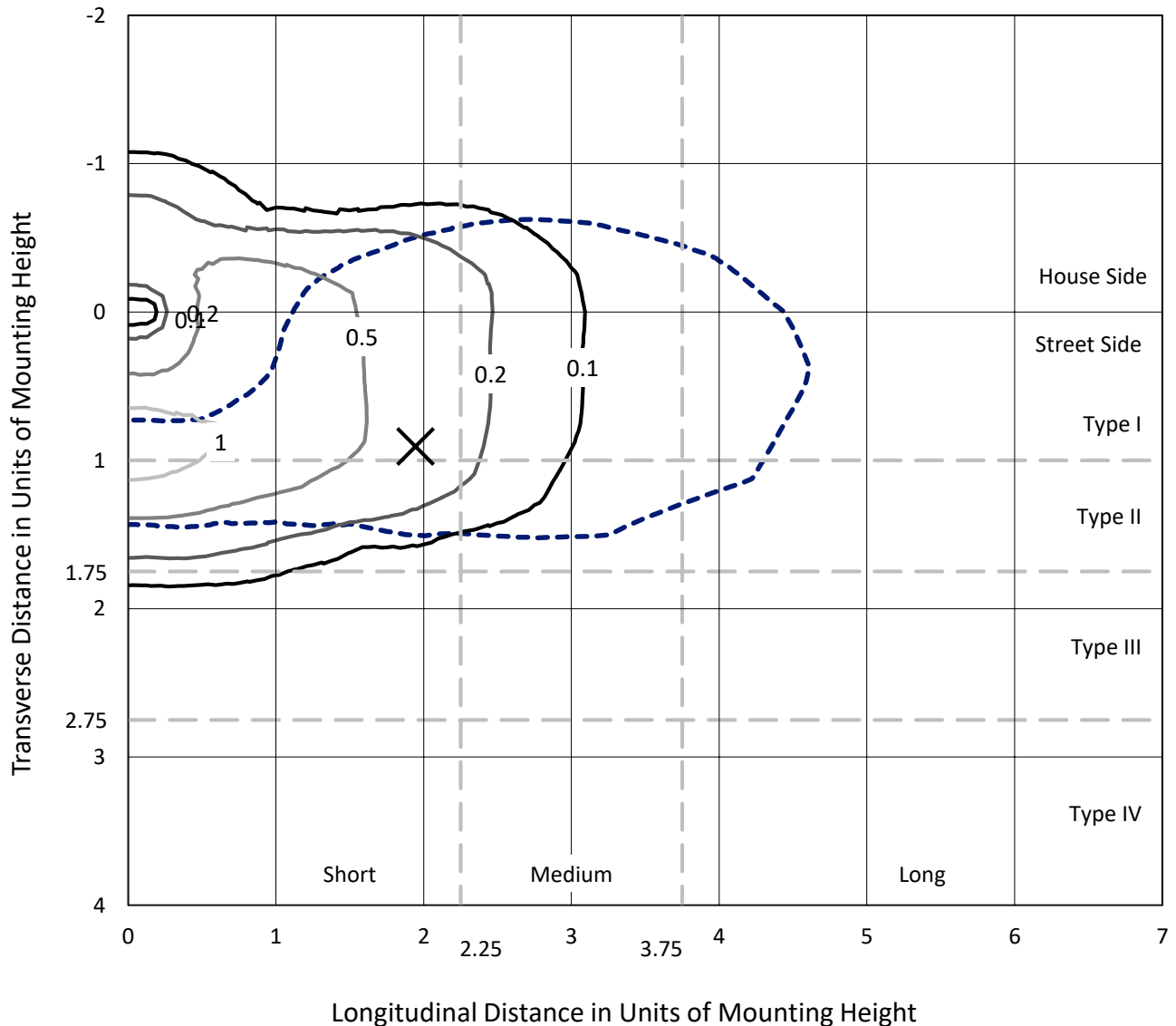
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

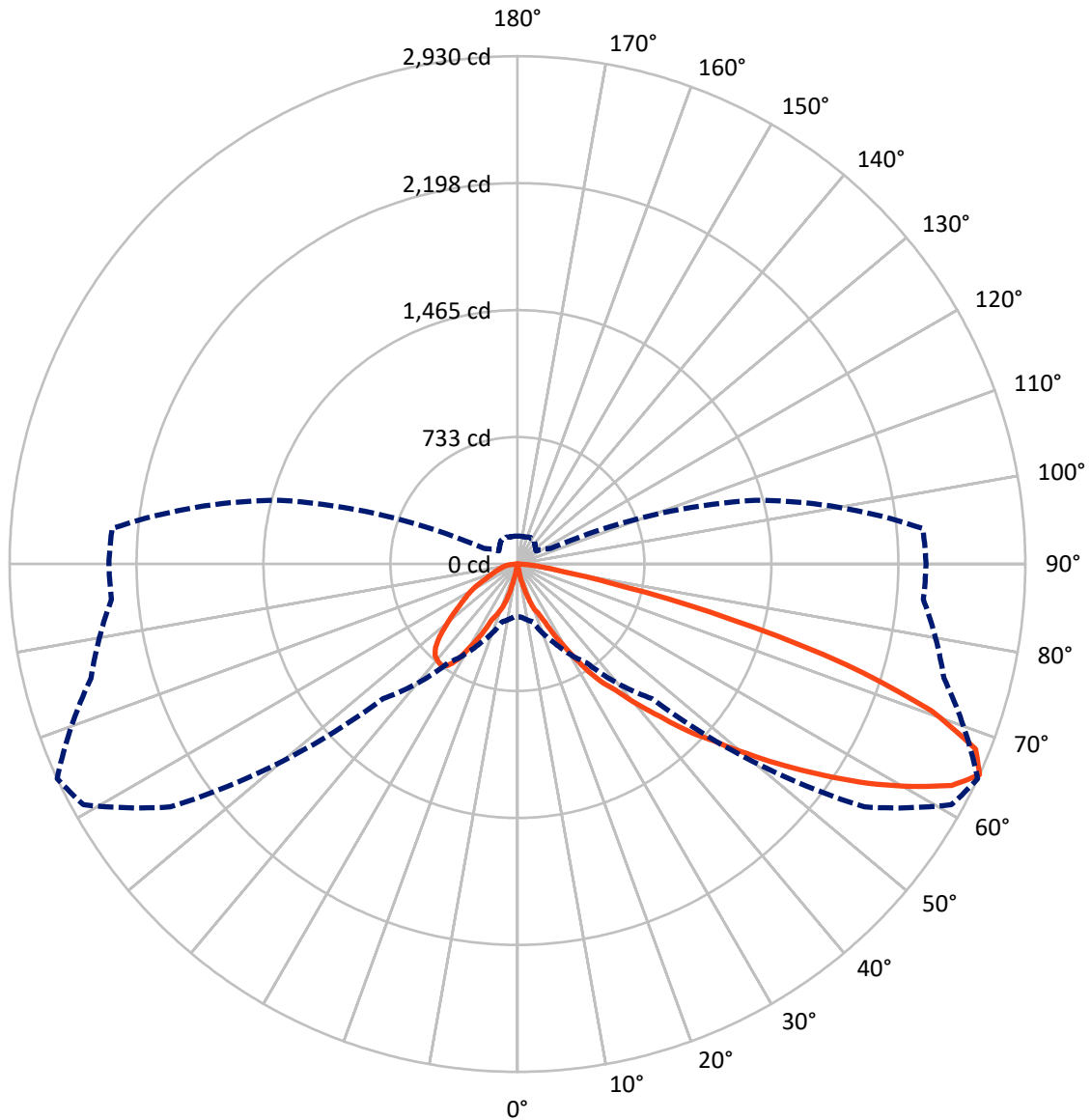
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type 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	1147.3	0.0	1147.3
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	3104.7	0.0	3104.7
	% Fixture	73.0	0.0	73.0
Total	Lumens	4252.0	0.0	4252.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	47.0	1.1
20°-30°	180.8	4.3
30°-40°	452.6	10.6
40°-50°	842.7	19.8
50°-60°	1103.5	26.0
60°-70°	989.2	23.3
70°-80°	544.1	12.8
80°-90°	88.9	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°	4252.0	100.0
0°-180°	4252.0	100.0



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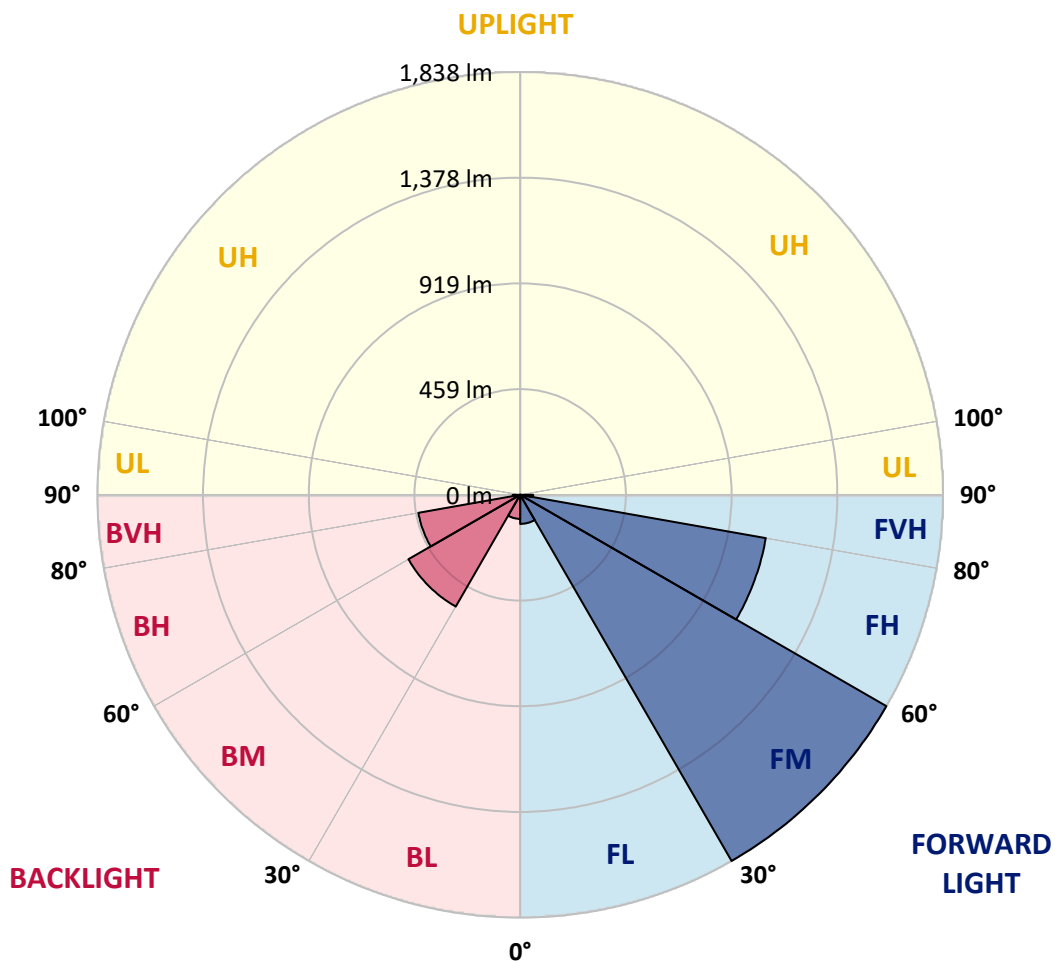
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	126.4	3.0			
FM	(30°-60°)	1837.8	43.2			
FH	(60°-80°)	1084.1	25.5			G1/1800
FVH	(80°-90°)	56.4	1.3			G1/100
BL	(0°-30°)	104.5	2.5	B0/110		
BM	(30°-60°)	561.0	13.2	B1/1000		
BH	(60°-80°)	449.3	10.6	B1/500		G1/500
BVH	(80°-90°)	32.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.3	2.3	2.7	3.2	3.2	2.7	2.3	1.8	1.4	0.9	0.9
5°	21.1	18.8	14.7	10.1	6.0	4.6	3.7	2.7	2.3	1.4	0.9
7.5°	103.0	102.6	102.1	102.6	100.3	39.4	7.3	4.6	3.7	1.8	1.4
10°	103.5	103.0	102.6	103.5	103.5	102.1	97.1	14.2	7.3	4.6	4.6
12.5°	184.0	177.6	122.7	108.0	104.4	104.4	104.4	93.4	88.8	65.5	79.2
15°	193.2	191.8	191.4	192.3	170.3	112.6	157.5	148.3	150.2	128.2	152.0
17.5°	203.3	201.0	199.2	199.6	191.8	221.1	206.9	211.5	213.4	162.1	177.6
20°	315.0	315.0	291.2	220.7	242.2	277.4	228.9	251.4	278.4	242.2	248.6
22.5°	357.6	354.4	351.2	332.8	304.5	302.6	332.8	291.6	309.5	355.7	328.7
25°	486.2	487.1	408.4	384.1	425.3	370.8	397.4	395.1	374.1	431.3	416.6
27.5°	615.3	617.2	608.5	541.6	486.2	477.1	452.3	487.6	482.1	478.4	512.8
30°	735.7	735.3	695.9	668.0	638.2	585.1	557.6	565.0	586.9	566.8	639.6
32.5°	1023.7	1015.9	973.8	796.6	750.8	700.9	693.2	672.6	716.5	702.3	769.6
35°	1215.6	1213.7	1137.3	1037.5	892.8	837.4	838.3	799.8	836.0	854.3	864.9
37.5°	1644.1	1637.7	1521.4	1228.8	1114.8	1000.8	979.8	961.5	923.9	977.0	976.6
40°	1874.8	1856.5	1754.0	1561.2	1309.0	1171.6	1127.6	1088.3	1061.3	1092.4	1088.3
42.5°	2054.3	2040.1	1967.8	1768.2	1562.1	1455.5	1291.6	1254.0	1199.5	1236.6	1217.4
45°	2183.0	2175.6	2111.1	1962.7	1804.8	1726.5	1476.5	1417.9	1370.8	1365.7	1354.3
47.5°	2207.7	2192.1	2172.9	2089.6	2022.3	1998.9	1705.4	1604.3	1526.4	1511.8	1492.5
50°	2090.9	2086.4	2111.5	2096.4	2178.4	2232.9	1969.6	1829.5	1720.5	1668.8	1631.7
52.5°	1820.4	1830.0	1926.6	1993.9	2198.1	2395.9	2217.8	2082.2	1933.4	1819.4	1769.5
55°	1446.3	1481.1	1624.4	1764.5	2074.9	2466.4	2453.1	2346.4	2154.6	1987.9	1914.2
57.5°	1110.7	1107.0	1291.6	1418.8	1824.9	2419.2	2606.0	2575.8	2387.2	2162.8	2052.5
60°	719.7	716.5	934.4	1097.4	1406.5	2177.5	2685.2	2764.4	2605.5	2313.9	2177.0
62.5°	469.7	489.4	572.3	804.0	1004.5	1683.9	2658.6	2881.6	2813.4	2454.0	2296.5
65°	302.2	309.5	345.7	500.9	696.4	1098.3	2443.5	2864.2	2930.1	2547.4	2351.0
67.5°	225.3	227.1	244.5	311.3	473.9	574.1	1917.9	2622.5	2850.9	2553.8	2333.1
70°	197.8	201.4	218.4	234.9	352.5	361.2	1121.2	2108.3	2533.2	2461.8	2242.9
72.5°	168.9	172.6	195.0	218.8	269.7	271.0	419.4	1401.0	1983.3	2275.0	2098.3
75°	137.8	140.1	159.8	191.8	224.8	217.5	242.7	633.2	1269.6	1890.9	1871.6
77.5°	111.3	113.1	127.3	152.9	199.2	166.7	180.8	271.5	630.9	1365.3	1516.3
80°	80.6	81.5	95.2	117.2	149.7	148.8	135.1	172.1	260.5	797.5	1004.0
82.5°	51.3	51.3	65.5	76.9	99.4	147.0	94.8	115.8	145.6	396.9	483.0
85°	28.8	29.8	41.2	44.9	58.1	89.3	68.2	64.1	78.7	143.8	119.0
87.5°	5.5	6.9	11.9	12.8	15.1	21.1	24.7	22.4	23.3	33.4	19.7
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	0.9	1.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.4	1.4
5°	0.9	1.4	1.8	1.8	2.3	3.2	3.7	3.7	4.1	4.6	4.1
7.5°	0.9	1.4	1.8	2.7	3.7	7.3	26.6	93.9	100.7	102.1	103.9
10°	4.1	4.1	4.6	5.0	20.6	98.4	105.8	106.7	107.6	108.0	108.5
12.5°	80.6	79.7	79.2	60.9	93.9	108.5	109.9	110.8	112.2	133.7	144.7
15°	153.8	154.3	146.5	140.6	163.4	119.0	126.8	196.0	202.8	205.1	206.5
17.5°	176.3	184.0	163.4	217.0	215.2	181.3	199.6	210.1	211.1	212.4	212.9
20°	250.4	248.6	238.1	272.0	233.0	298.1	247.2	212.9	267.8	294.8	295.3
22.5°	325.1	325.5	310.4	314.1	335.1	306.7	247.7	281.1	288.0	287.5	286.1
25°	418.9	415.3	407.9	349.3	395.6	333.8	329.6	272.4	273.3	295.3	309.5
27.5°	512.3	503.2	474.3	452.8	410.7	371.3	311.3	294.8	317.7	316.4	316.8
30°	641.4	627.2	547.6	544.8	435.9	367.6	316.8	293.5	285.7	287.5	286.6
32.5°	770.5	744.9	673.0	649.7	464.7	342.5	290.7	271.0	293.5	296.7	294.8
35°	850.2	829.1	804.4	711.5	467.9	315.4	263.3	267.8	266.5	265.1	266.0
37.5°	943.1	908.8	887.3	732.5	441.4	281.6	250.9	247.2	269.2	269.7	267.8
40°	1047.1	1008.2	960.1	722.9	380.9	255.0	233.0	244.9	246.3	240.8	239.4
42.5°	1164.3	1107.5	1036.1	710.1	315.9	239.4	226.2	227.5	228.5	222.5	220.2
45°	1282.4	1216.0	1101.1	674.4	268.7	223.9	215.6	215.2	210.6	205.1	203.7
47.5°	1414.7	1336.9	1154.7	612.1	235.3	212.0	208.8	200.1	201.4	196.4	196.0
50°	1551.1	1467.4	1185.3	537.5	213.4	201.9	196.4	193.7	197.3	191.4	190.5
52.5°	1684.8	1614.8	1233.9	470.7	194.6	193.2	190.9	191.8	193.2	186.8	186.3
55°	1830.0	1779.6	1278.3	407.0	178.1	181.3	189.1	188.6	188.2	182.2	182.2
57.5°	1963.2	1938.5	1323.6	358.0	165.3	170.8	185.0	185.0	182.7	177.6	177.2
60°	2117.9	2099.6	1366.6	314.1	154.3	161.2	179.9	180.4	176.3	172.6	171.7
62.5°	2258.5	2244.8	1401.0	267.8	142.4	152.9	172.6	175.8	169.9	167.1	167.1
65°	2357.4	2347.8	1419.7	210.6	130.9	144.7	164.8	169.4	161.6	161.2	161.2
67.5°	2366.1	2360.1	1380.8	175.8	122.7	136.9	155.2	159.8	152.9	154.3	151.5
70°	2285.1	2241.6	1270.5	146.5	114.5	126.8	143.8	149.3	142.4	142.8	138.3
72.5°	2113.8	1988.4	1075.5	124.5	105.3	115.8	131.4	136.4	130.0	128.7	123.6
75°	1825.8	1632.2	748.6	108.0	95.7	103.9	116.3	121.3	117.2	110.3	109.0
77.5°	1414.3	1196.3	458.8	93.4	87.0	91.6	100.7	103.5	99.4	91.1	89.7
80°	891.4	717.4	221.1	81.0	75.5	77.8	83.8	86.1	82.9	74.6	70.0
82.5°	408.4	310.0	116.7	65.5	61.3	61.3	67.3	65.5	62.7	54.9	44.4
85°	95.2	98.0	54.0	40.3	38.9	34.8	40.3	39.8	35.7	27.5	22.9
87.5°	15.6	17.4	13.7	12.4	10.1	7.8	8.7	7.3	6.4	3.2	1.4
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)