

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: P417114

Luminaire Tested: **LXF.LXT-PA1-90-730-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-730-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9030 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

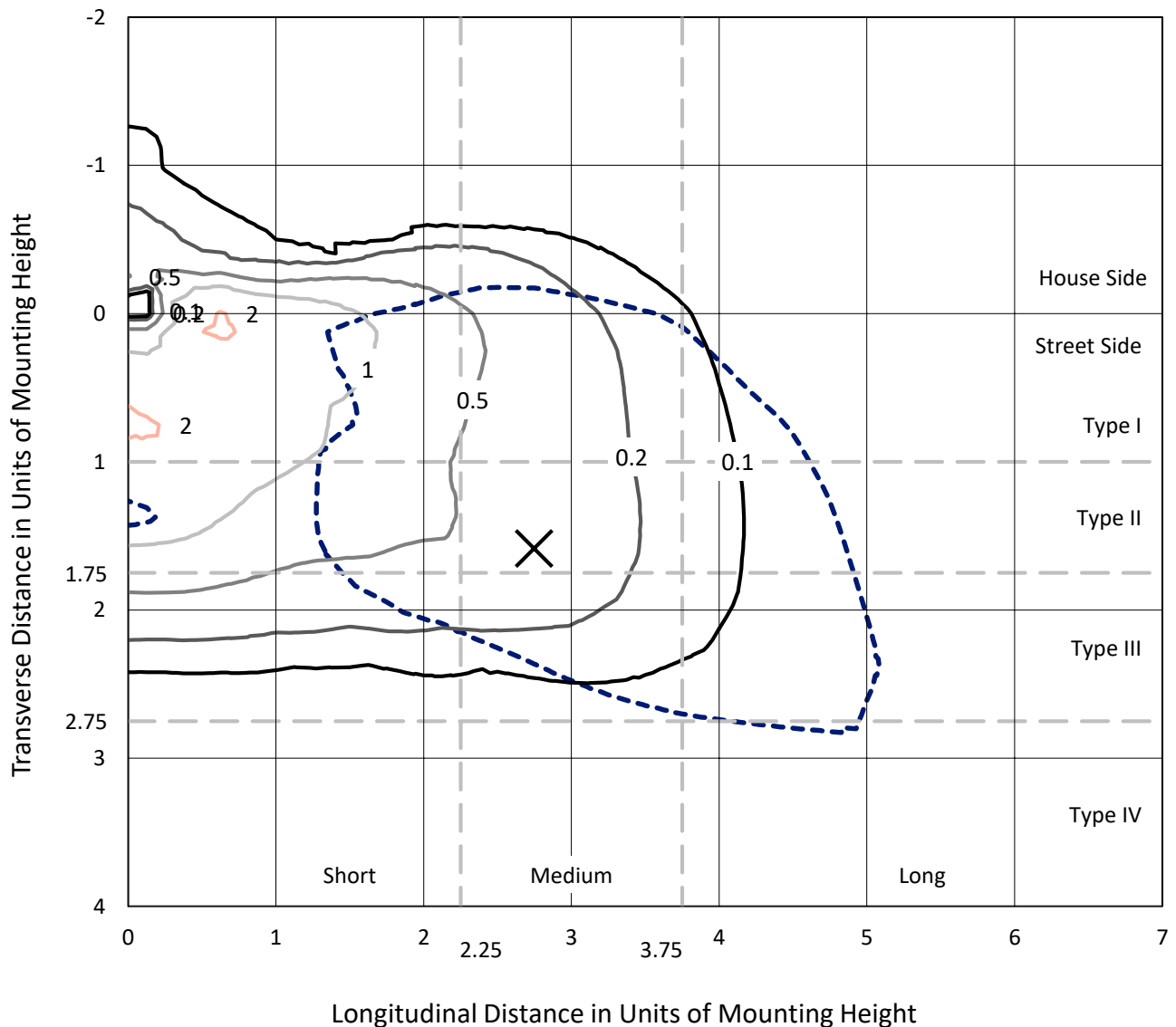
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

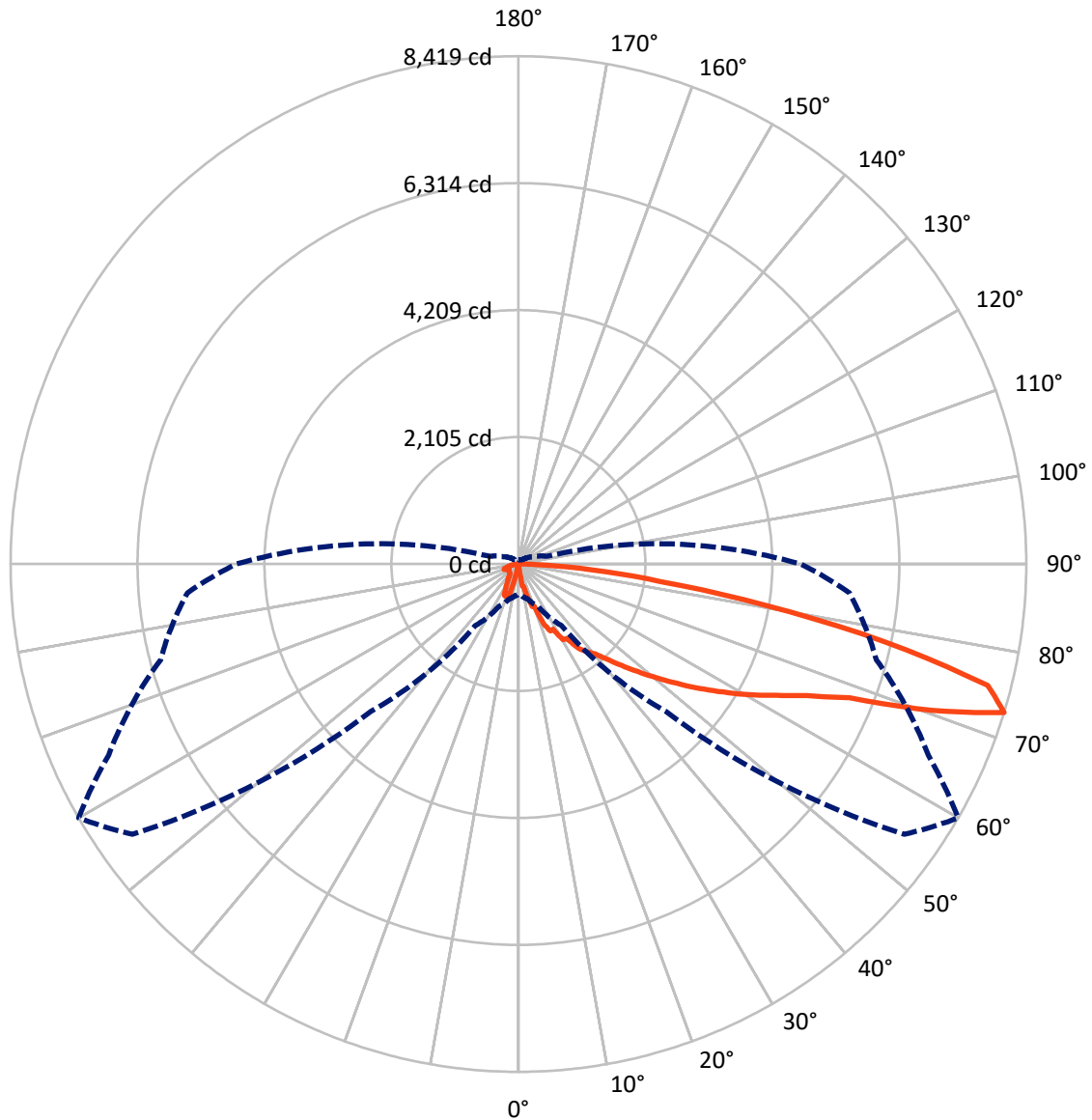
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1300.4	0.0	1300.4
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	7729.6	0.0	7729.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	9030.0	0.0	9030.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.1
10°-20°	131.7	1.5
20°-30°	396.4	4.4
30°-40°	784.1	8.7
40°-50°	1298.8	14.4
50°-60°	1940.2	21.5
60°-70°	2308.1	25.6
70°-80°	1847.7	20.5
80°-90°	313.6	3.5
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°	9030.0	100.0
0°-180°	9030.0	100.0



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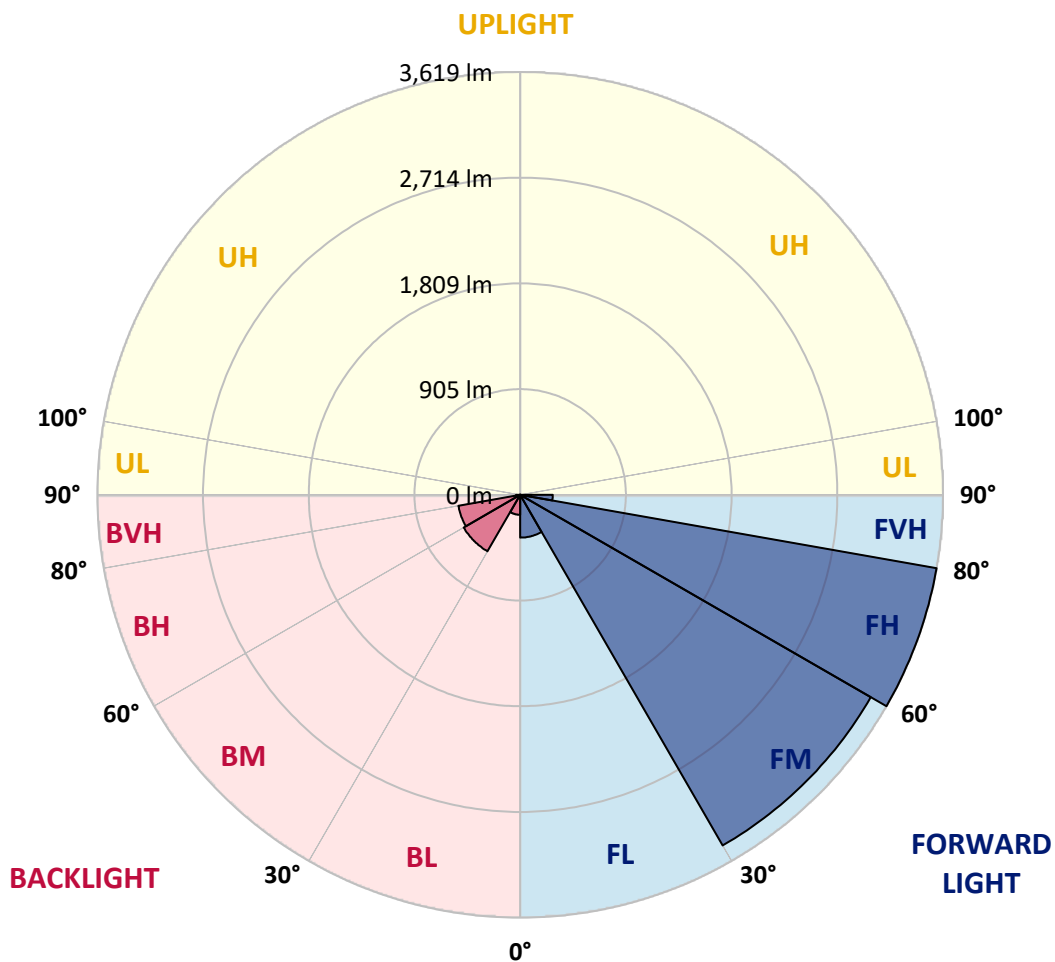
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	366.5	4.1			
FM	(30°-60°)	3465.1	38.4			
FH	(60°-80°)	3618.9	40.1			G2/5000
FVH	(80°-90°)	279.0	3.1			G3/500
BL	(0°-30°)	171.1	1.9	B1/500		
BM	(30°-60°)	558.0	6.2	B1/1000		
BH	(60°-80°)	536.8	5.9	B2/1000		G2/1000
BVH	(80°-90°)	34.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	4.9	4.9	5.9	6.9	6.9	5.9	4.9	4.9	4.9	3.9	4.9
5°	337.4	170.2	114.1	54.1	40.3	19.7	7.9	5.9	5.9	4.9	4.9
7.5°	387.6	387.6	388.6	392.5	395.5	397.4	49.2	25.6	9.8	4.9	4.9
10°	373.8	370.9	372.8	376.8	380.7	386.6	393.5	373.8	44.3	7.9	5.9
12.5°	690.6	688.6	665.0	405.3	375.8	375.8	385.6	386.6	304.0	29.5	28.5
15°	666.0	665.0	668.0	674.8	685.7	388.6	394.5	574.5	748.6	527.3	612.9
17.5°	684.7	676.8	659.1	655.2	665.0	624.7	734.9	743.7	760.4	606.0	620.7
20°	939.5	936.5	936.5	789.0	650.3	909.0	862.7	744.7	764.4	876.5	1097.9
22.5°	936.5	931.6	924.7	923.7	1059.5	884.4	898.2	1077.2	1120.5	1284.8	1240.5
25°	1273.0	1260.2	1067.4	930.6	1052.6	990.6	1200.2	1231.6	1139.2	1333.0	1269.0
27.5°	1382.2	1357.6	1296.6	1188.4	1060.5	1204.1	1198.2	1223.8	1256.2	1821.9	1744.2
30°	1877.0	1760.9	1434.3	1380.2	1268.0	1218.9	1365.4	1455.0	1586.8	1784.5	1817.0
32.5°	2100.3	2058.0	1898.6	1698.9	1481.5	1316.2	1493.3	1470.7	1598.6	2169.2	2329.5
35°	2582.3	2530.2	2093.4	1913.4	1722.5	1613.3	1535.6	1717.6	1875.0	2255.7	2373.8
37.5°	2676.8	2665.0	2563.6	2241.0	1985.2	1773.7	1797.3	1846.5	1948.8	2376.7	2498.7
40°	2750.5	2751.5	2781.0	2502.6	2227.2	2031.4	1960.6	1961.6	2049.1	2575.4	2659.1
42.5°	2945.3	2953.2	3032.9	2735.8	2520.3	2332.5	2209.5	2155.4	2222.3	2803.7	2855.8
45°	3296.5	3278.8	3346.7	2975.8	2740.7	2579.4	2481.0	2398.4	2433.8	3046.6	3106.7
47.5°	3738.2	3700.8	3678.2	3274.9	2980.7	2842.0	2750.5	2664.0	2674.8	3278.8	3393.9
50°	4079.6	4060.9	3943.8	3501.1	3187.3	3106.7	3068.3	2961.1	2914.8	3537.5	3722.5
52.5°	4225.2	4207.5	4062.9	3672.3	3350.6	3359.5	3426.4	3286.7	3156.8	3817.9	4035.3
55°	4199.6	4184.8	4089.4	3756.9	3468.7	3603.4	3778.6	3638.9	3470.6	4082.5	4354.0
57.5°	4010.7	4017.6	4016.6	3762.8	3559.2	3832.7	4122.9	4002.8	3803.1	4345.2	4612.8
60°	3593.6	3630.0	3765.8	3720.5	3674.3	4049.1	4457.3	4401.3	4189.8	4633.4	4851.8
62.5°	2878.4	2950.2	3247.3	3489.3	3766.7	4352.1	4783.9	4790.8	4590.1	4856.7	5036.8
65°	1941.9	1936.0	2378.7	2978.8	3657.6	4828.2	5271.9	5258.1	4961.0	5111.5	5309.3
67.5°	1079.2	1102.8	1393.0	1971.4	3237.5	5123.3	6208.4	5913.3	5472.6	5500.1	5691.9
70°	668.0	696.5	793.9	1101.8	2072.7	4779.0	7411.5	7273.8	6417.9	6015.6	5846.4
72.5°	507.6	523.4	602.0	781.1	1247.4	3456.9	7810.9	8418.9	7496.1	6142.5	5509.9
75°	303.0	321.7	428.9	674.8	1039.8	1789.4	6772.1	8033.2	7838.5	6061.8	4808.5
77.5°	188.9	193.8	231.2	471.2	958.2	1126.4	4639.3	6222.2	6388.4	5134.1	3397.8
80°	144.6	145.6	159.4	250.9	774.2	1066.4	2686.6	4155.3	4072.7	2741.7	1334.9
82.5°	91.5	97.4	124.0	153.5	367.9	1039.8	1587.8	2365.9	2082.6	741.7	371.9
85°	46.2	52.1	87.6	105.3	178.1	1126.4	1126.4	1213.0	852.9	248.9	140.7
87.5°	7.9	7.9	11.8	27.5	35.4	190.8	314.8	274.5	181.0	33.4	27.5
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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	4.9	4.9	4.9	3.9	3.0	2.0	1.0	1.0	1.0	2.0	2.0
5°	4.9	4.9	4.9	3.9	3.0	2.0	1.0	1.0	2.0	3.0	3.0
7.5°	4.9	4.9	4.9	3.9	3.0	3.0	2.0	3.9	8.9	115.1	77.7
10°	5.9	5.9	5.9	4.9	3.9	10.8	336.4	355.1	356.1	354.1	350.2
12.5°	31.5	34.4	25.6	8.9	36.4	337.4	323.7	307.9	302.0	295.1	295.1
15°	621.7	613.9	579.4	426.9	261.7	301.0	270.5	249.9	387.6	382.7	386.6
17.5°	623.7	609.9	560.7	610.9	566.6	270.5	306.9	333.5	314.8	307.9	310.9
20°	1183.4	1119.5	568.6	569.6	486.0	480.1	260.7	245.9	248.9	254.8	256.8
22.5°	1205.1	1131.3	872.6	737.8	417.1	384.6	266.6	213.5	315.8	351.2	355.1
25°	1214.9	1122.4	824.4	653.2	471.2	288.2	257.7	234.1	288.2	323.7	325.6
27.5°	1717.6	1556.3	1126.4	554.8	364.0	252.8	241.0	220.4	258.7	320.7	321.7
30°	1702.9	1513.0	1043.7	537.1	281.4	233.1	208.6	230.2	244.0	260.7	260.7
32.5°	2214.4	1941.9	1157.9	432.8	236.1	193.8	196.7	209.5	210.5	248.9	251.8
35°	2215.4	1899.6	997.5	395.5	202.7	177.1	180.0	193.8	214.5	239.0	243.0
37.5°	2249.8	1880.9	859.8	307.9	202.7	177.1	171.2	184.9	199.7	234.1	238.1
40°	2322.6	1888.8	729.0	255.8	195.8	174.1	169.2	180.0	197.7	217.4	219.4
42.5°	2446.6	1933.1	605.0	231.2	190.8	174.1	162.3	170.2	180.0	220.4	224.3
45°	2643.3	2027.5	509.6	221.3	188.9	167.2	154.4	156.4	163.3	260.7	271.5
47.5°	2873.5	2158.3	426.9	216.4	185.9	160.3	142.6	144.6	160.3	296.1	310.9
50°	3139.1	2352.1	377.8	215.4	183.0	150.5	133.8	144.6	177.1	295.1	302.0
52.5°	3451.0	2548.9	351.2	219.4	181.0	141.7	138.7	162.3	168.2	237.1	237.1
55°	3731.3	2767.3	353.2	222.3	175.1	141.7	142.6	137.7	132.8	163.3	164.3
57.5°	4006.8	2984.7	385.6	216.4	166.3	142.6	123.0	113.1	115.1	138.7	141.7
60°	4245.8	3194.2	483.0	203.6	158.4	128.9	114.1	106.2	108.2	139.7	142.6
62.5°	4503.6	3450.0	668.9	208.6	157.4	122.0	106.2	97.4	101.3	116.1	118.0
65°	4851.8	3807.1	836.2	245.9	163.3	118.0	97.4	92.5	93.5	94.4	94.4
67.5°	5193.2	4027.4	806.7	290.2	183.0	116.1	92.5	86.6	85.6	85.6	85.6
70°	5159.7	3788.4	639.4	307.9	198.7	116.1	88.5	80.7	78.7	78.7	78.7
72.5°	4676.7	3240.4	490.9	285.3	183.0	111.2	82.6	73.8	70.8	70.8	70.8
75°	3979.2	2599.0	412.2	247.9	149.5	95.4	72.8	65.9	63.9	63.9	63.0
77.5°	2542.0	1536.6	350.2	201.7	115.1	77.7	63.0	57.1	57.1	57.1	54.1
80°	1020.1	675.8	272.5	159.4	89.5	62.0	52.1	49.2	48.2	47.2	44.3
82.5°	387.6	333.5	177.1	116.1	68.9	47.2	42.3	39.3	39.3	38.4	33.4
85°	138.7	129.9	81.7	66.9	42.3	29.5	32.5	29.5	28.5	25.6	21.6
87.5°	29.5	32.5	22.6	14.8	14.8	8.9	10.8	11.8	11.8	10.8	5.9
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)