

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: P416508

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416508
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-PA1-70-827-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6246 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 II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

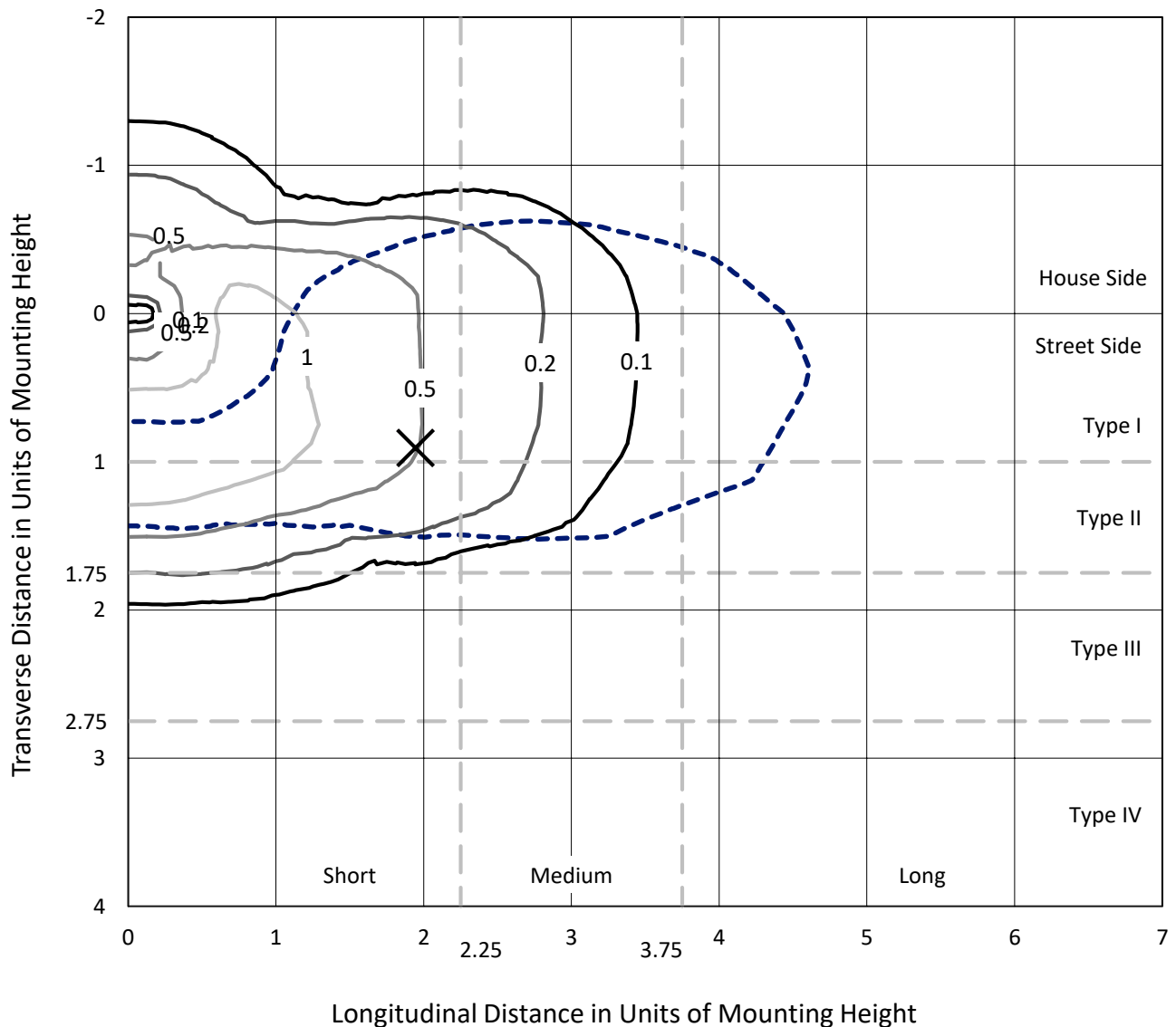
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

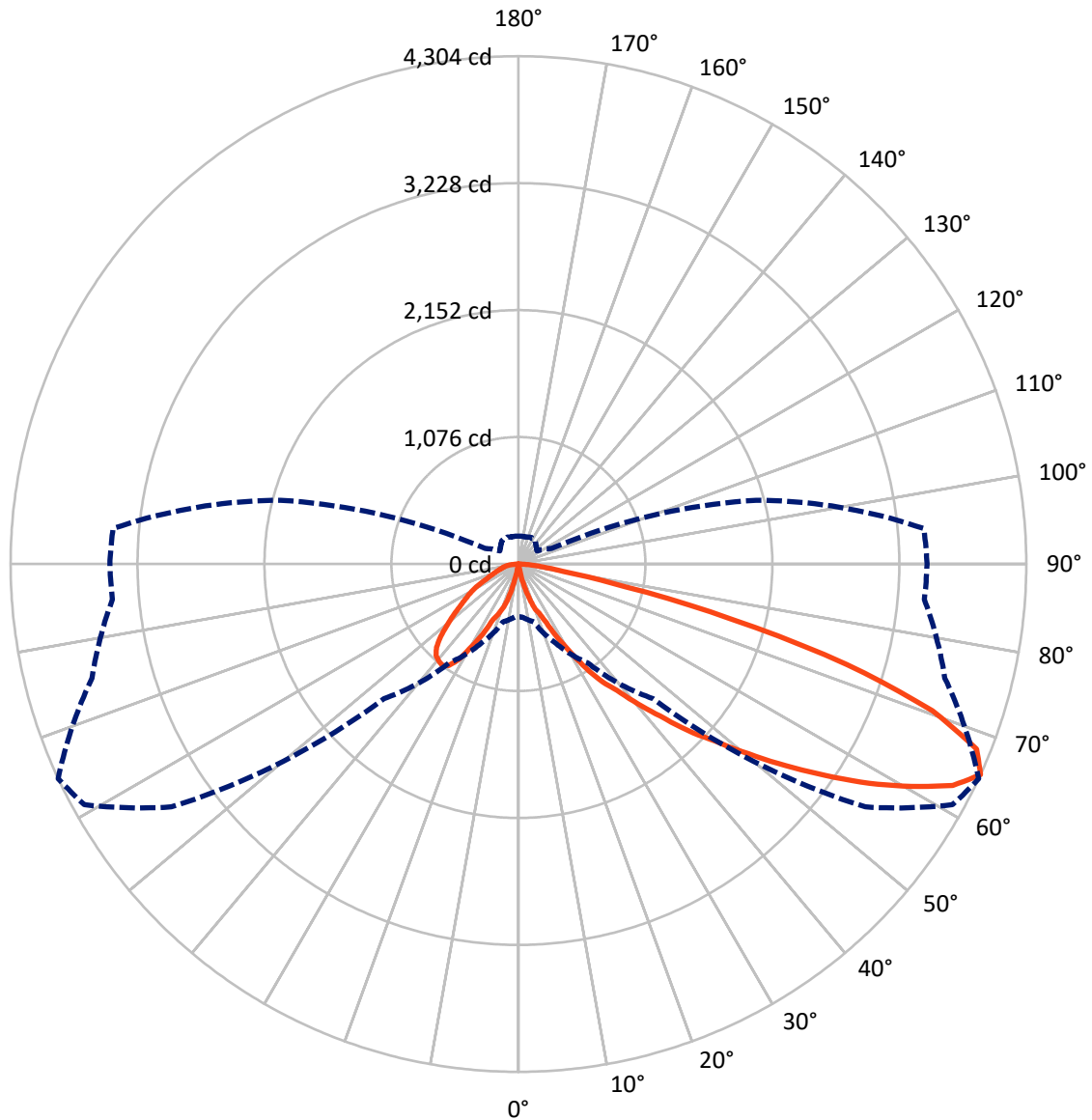
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	1685.4	0.0	1685.4
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	4560.6	0.0	4560.6
	% Fixture	73.0	0.0	73.0
Total	Lumens	6246.0	0.0	6246.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	69.0	1.1
20°-30°	265.7	4.3
30°-40°	664.9	10.6
40°-50°	1237.9	19.8
50°-60°	1621.0	26.0
60°-70°	1453.2	23.3
70°-80°	799.3	12.8
80°-90°	130.6	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°	6246.0	100.0
0°-180°	6246.0	100.0



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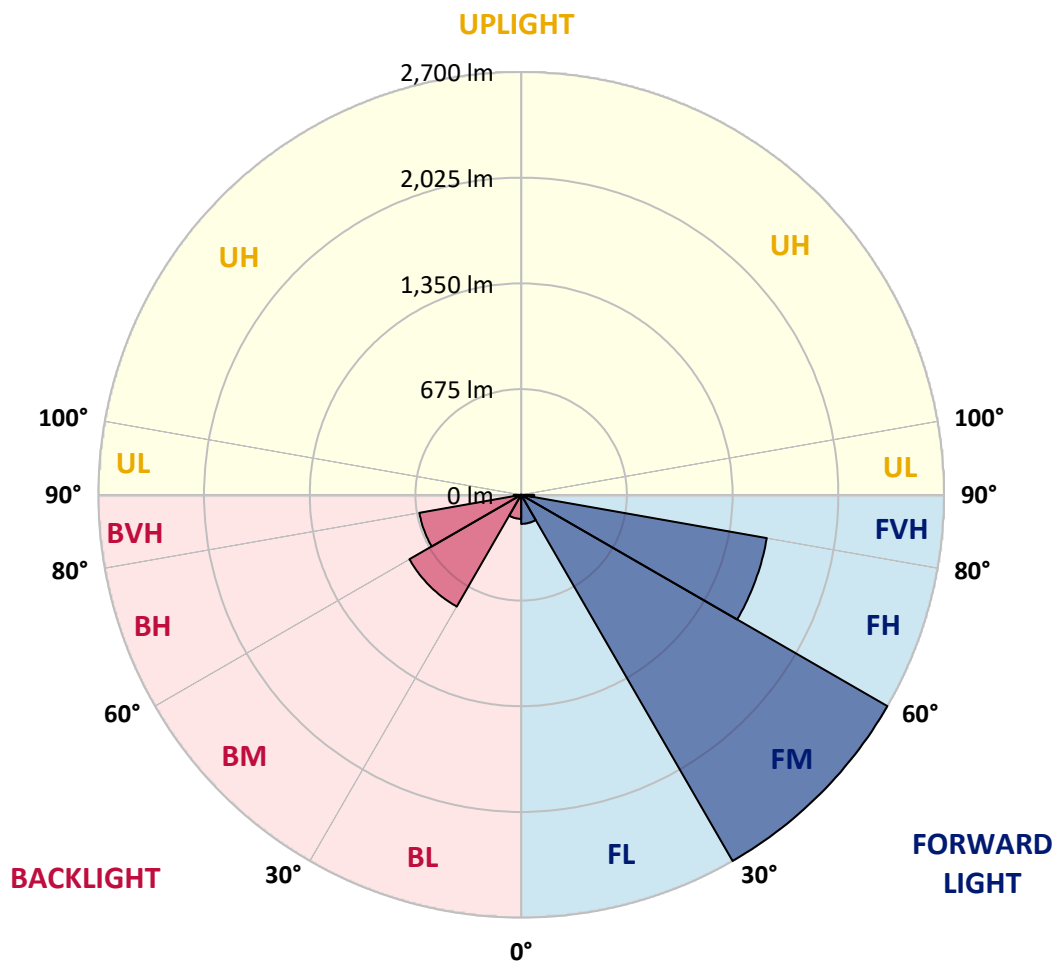
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.7	3.0			
FM	(30°-60°)	2699.6	43.2			
FH	(60°-80°)	1592.5	25.5			G1/1800
FVH	(80°-90°)	82.9	1.3			G1/100
BL	(0°-30°)	153.5	2.5	B1/500		
BM	(30°-60°)	824.1	13.2	B1/1000		
BH	(60°-80°)	660.0	10.6	B2/1000		G2/1000
BVH	(80°-90°)	47.7	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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	3.4	3.4	4.0	4.7	4.7	4.0	3.4	2.7	2.0	1.3	1.3
5°	30.9	27.6	21.5	14.8	8.7	6.7	5.4	4.0	3.4	2.0	1.3
7.5°	151.3	150.6	150.0	150.6	147.3	57.8	10.8	6.7	5.4	2.7	2.0
10°	152.0	151.3	150.6	152.0	152.0	150.0	142.6	20.8	10.8	6.7	6.7
12.5°	270.4	260.9	180.2	158.7	153.3	153.3	153.3	137.2	130.5	96.2	116.3
15°	283.8	281.8	281.1	282.5	250.2	165.4	231.4	217.9	220.6	188.3	223.3
17.5°	298.6	295.2	292.6	293.2	281.8	324.8	304.0	310.7	313.4	238.1	260.9
20°	462.7	462.7	427.7	324.2	355.8	407.6	336.3	369.2	408.9	355.8	365.2
22.5°	525.3	520.5	515.8	488.9	447.2	444.5	488.9	428.4	454.6	522.6	482.9
25°	714.2	715.6	599.9	564.3	624.8	544.8	583.8	580.4	549.5	633.5	612.0
27.5°	903.9	906.6	893.8	795.6	714.2	700.8	664.5	716.3	708.2	702.8	753.2
30°	1080.8	1080.1	1022.3	981.2	937.5	859.5	819.2	829.9	862.2	832.6	939.5
32.5°	1503.8	1492.4	1430.5	1170.2	1103.0	1029.7	1018.2	988.0	1052.5	1031.7	1130.5
35°	1785.6	1782.9	1670.6	1524.0	1311.5	1230.1	1231.4	1174.9	1228.1	1255.0	1270.4
37.5°	2415.1	2405.7	2234.8	1805.1	1637.6	1470.2	1439.2	1412.3	1357.2	1435.2	1434.5
40°	2754.0	2727.1	2576.5	2293.4	1922.8	1721.0	1656.5	1598.6	1558.9	1604.7	1598.6
42.5°	3017.7	2996.8	2890.6	2597.3	2294.7	2138.0	1897.2	1842.1	1762.1	1816.5	1788.3
45°	3206.7	3195.9	3101.1	2883.2	2651.2	2536.1	2168.9	2082.9	2013.6	2006.2	1989.4
47.5°	3243.0	3220.1	3191.9	3069.5	2970.6	2936.3	2505.2	2356.6	2242.2	2220.7	2192.5
50°	3071.5	3064.8	3101.8	3079.6	3199.9	3280.0	2893.3	2687.5	2527.4	2451.4	2396.9
52.5°	2674.0	2688.1	2830.0	2928.9	3228.9	3519.4	3257.8	3058.7	2840.1	2672.7	2599.4
55°	2124.6	2175.7	2386.2	2592.0	3047.9	3623.0	3603.5	3446.8	3165.0	2920.2	2811.9
57.5°	1631.6	1626.2	1897.2	2084.2	2680.7	3553.7	3828.1	3783.7	3506.6	3177.1	3015.0
60°	1057.2	1052.5	1372.7	1612.1	2066.0	3198.6	3944.4	4060.8	3827.4	3399.0	3197.9
62.5°	690.0	718.9	840.7	1181.0	1475.6	2473.6	3905.4	4233.0	4132.8	3604.8	3373.5
65°	443.9	454.6	507.8	735.8	1022.9	1613.4	3589.3	4207.4	4304.3	3742.0	3453.5
67.5°	330.9	333.6	359.1	457.3	696.1	843.4	2817.3	3852.3	4187.9	3751.4	3427.3
70°	290.5	295.9	320.8	345.0	517.9	530.6	1647.0	3097.0	3721.2	3616.2	3294.8
72.5°	248.2	253.5	286.5	321.5	396.1	398.1	616.0	2058.0	2913.4	3341.8	3082.2
75°	202.4	205.8	234.7	281.8	330.2	319.5	356.4	930.1	1865.0	2777.6	2749.3
77.5°	163.4	166.1	187.0	224.6	292.6	244.8	265.7	398.8	926.8	2005.5	2227.5
80°	118.4	119.7	139.9	172.2	219.9	218.6	198.4	252.9	382.7	1171.6	1474.9
82.5°	75.3	75.3	96.2	113.0	145.9	215.9	139.2	170.2	213.9	583.1	709.5
85°	42.4	43.7	60.5	65.9	85.4	131.1	100.2	94.2	115.7	211.2	174.9
87.5°	8.1	10.1	17.5	18.8	22.2	30.9	36.3	33.0	34.3	49.1	28.9
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°	1.3	2.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.0	2.0
5°	1.3	2.0	2.7	2.7	3.4	4.7	5.4	5.4	6.1	6.7	6.1
7.5°	1.3	2.0	2.7	4.0	5.4	10.8	39.0	137.9	148.0	150.0	152.7
10°	6.1	6.1	6.7	7.4	30.3	144.6	155.4	156.7	158.0	158.7	159.4
12.5°	118.4	117.0	116.3	89.4	137.9	159.4	161.4	162.8	164.8	196.4	212.5
15°	226.0	226.6	215.2	206.5	240.1	174.9	186.3	287.8	297.9	301.3	303.3
17.5°	258.9	270.4	240.1	318.8	316.1	266.3	293.2	308.7	310.0	312.1	312.7
20°	367.9	365.2	349.7	399.5	342.3	437.8	363.2	312.7	393.4	433.1	433.8
22.5°	477.5	478.2	456.0	461.4	492.3	450.6	363.8	412.9	423.0	422.4	420.3
25°	615.4	610.0	599.2	513.1	581.1	490.3	484.2	400.2	401.5	433.8	454.6
27.5°	752.6	739.1	696.8	665.1	603.3	545.4	457.3	433.1	466.7	464.7	465.4
30°	942.2	921.4	804.4	800.3	640.3	540.0	465.4	431.1	419.7	422.4	421.0
32.5°	1131.9	1094.2	988.6	954.3	682.6	503.1	427.1	398.1	431.1	435.8	433.1
35°	1248.9	1218.0	1181.7	1045.1	687.3	463.4	386.7	393.4	391.4	389.4	390.7
37.5°	1385.4	1335.0	1303.4	1076.1	648.3	413.6	368.6	363.2	395.5	396.1	393.4
40°	1538.1	1480.9	1410.3	1061.9	559.6	374.6	342.3	359.8	361.8	353.8	351.7
42.5°	1710.3	1626.9	1522.0	1043.1	464.1	351.7	332.2	334.3	335.6	326.9	323.5
45°	1883.8	1786.3	1617.5	990.7	394.8	328.9	316.8	316.1	309.4	301.3	299.3
47.5°	2078.1	1963.8	1696.1	899.2	345.7	311.4	306.7	293.9	295.9	288.5	287.8
50°	2278.6	2155.5	1741.2	789.6	313.4	296.6	288.5	284.5	289.9	281.1	279.8
52.5°	2474.9	2372.0	1812.5	691.4	285.8	283.8	280.4	281.8	283.8	274.4	273.7
55°	2688.1	2614.2	1877.7	597.9	261.6	266.3	277.8	277.1	276.4	267.7	267.7
57.5°	2883.8	2847.5	1944.3	525.9	242.8	250.9	271.7	271.7	268.3	260.9	260.3
60°	3111.2	3084.3	2007.5	461.4	226.6	236.7	264.3	265.0	258.9	253.5	252.2
62.5°	3317.6	3297.5	2058.0	393.4	209.2	224.6	253.5	258.3	249.5	245.5	245.5
65°	3462.9	3448.8	2085.5	309.4	192.3	212.5	242.1	248.8	237.4	236.7	236.7
67.5°	3475.7	3466.9	2028.4	258.3	180.2	201.1	228.0	234.7	224.6	226.6	222.6
70°	3356.6	3292.8	1866.3	215.2	168.1	186.3	211.2	219.2	209.2	209.8	203.1
72.5°	3105.1	2920.8	1579.8	182.9	154.7	170.2	193.0	200.4	191.0	189.0	181.6
75°	2682.1	2397.6	1099.6	158.7	140.6	152.7	170.8	178.2	172.2	162.1	160.1
77.5°	2077.5	1757.3	673.9	137.2	127.8	134.5	148.0	152.0	145.9	133.8	131.8
80°	1309.4	1053.9	324.8	119.0	111.0	114.3	123.1	126.4	121.7	109.6	102.9
82.5°	599.9	455.3	171.5	96.2	90.1	90.1	98.9	96.2	92.1	80.7	65.2
85°	139.9	143.9	79.4	59.2	57.2	51.1	59.2	58.5	52.5	40.4	33.6
87.5°	22.9	25.6	20.2	18.2	14.8	11.4	12.8	10.8	9.4	4.7	2.0
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)