

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: P416352

Luminaire Tested: **LXF.LXT-PA1-70-740-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416352
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-PA1-70-740-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 8497 lumens
Efficiency: N/A
Efficacy: 114.8 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

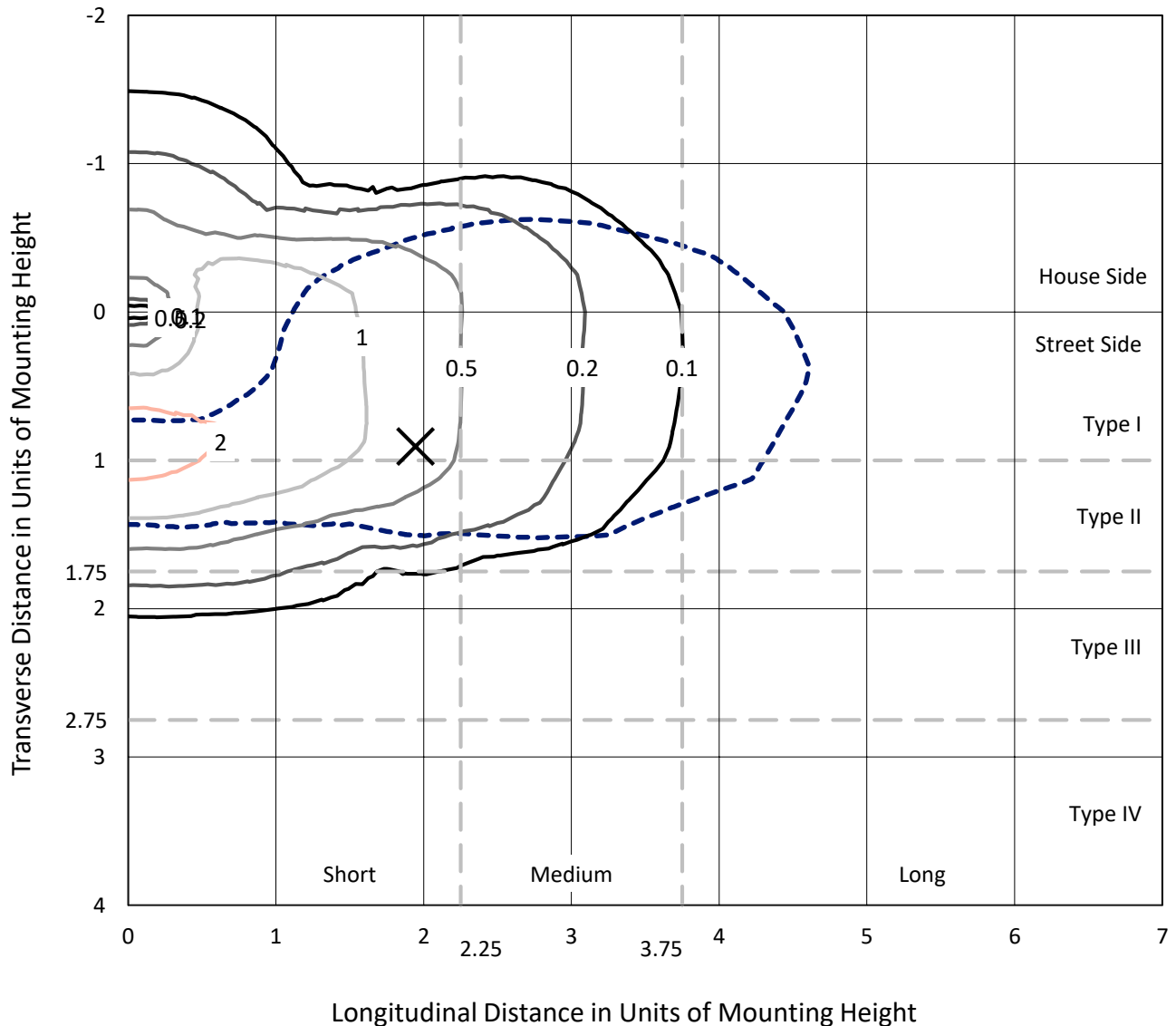
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

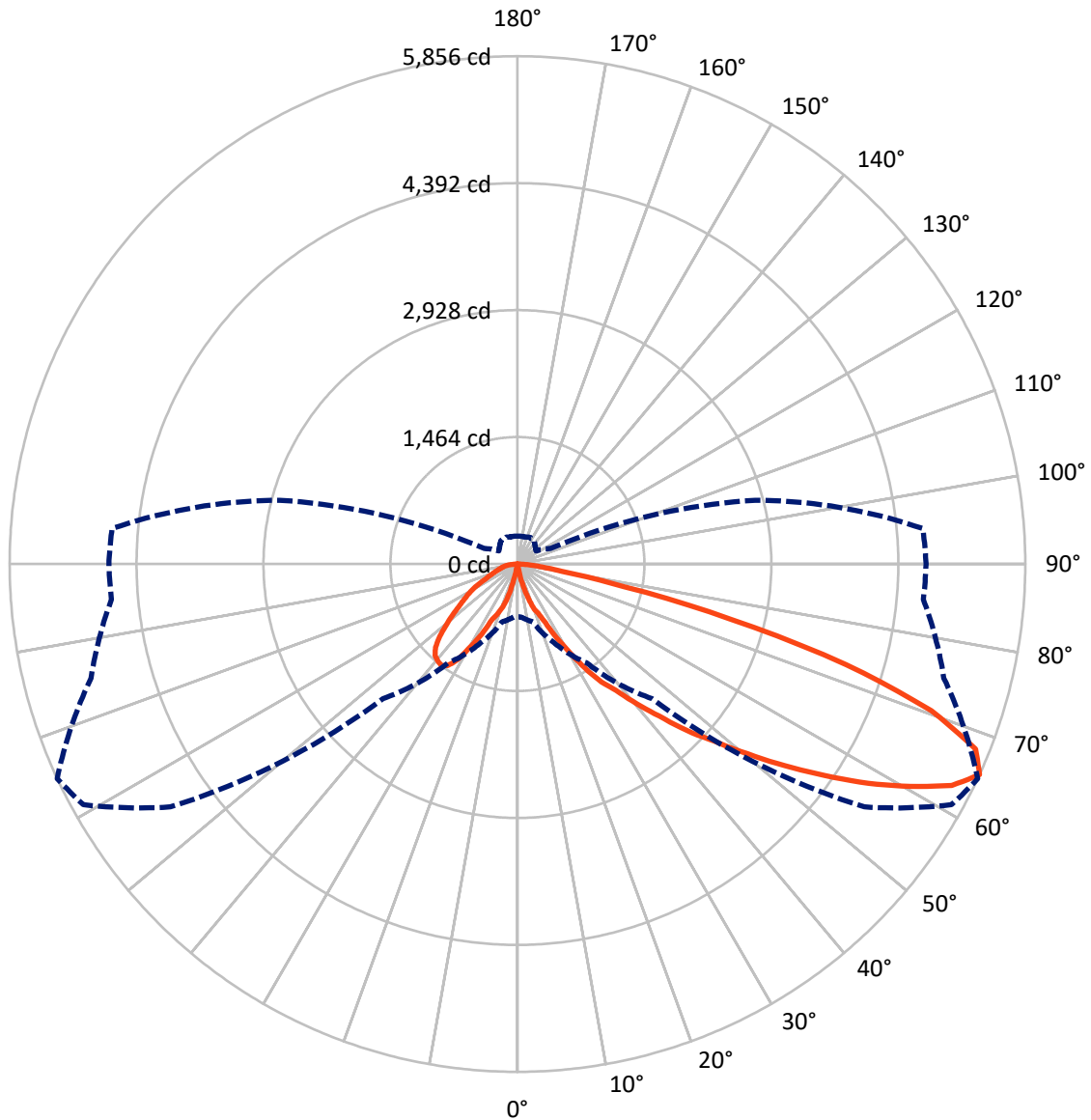
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	2292.7	0.0	2292.7
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	6204.3	0.0	6204.3
	% Fixture	73.0	0.0	73.0
Total	Lumens	8497.0	0.0	8497.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.1
10°-20°	93.9	1.1
20°-30°	361.4	4.3
30°-40°	904.5	10.6
40°-50°	1684.0	19.8
50°-60°	2205.1	26.0
60°-70°	1976.9	23.3
70°-80°	1087.4	12.8
80°-90°	177.7	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°	8497.0	100.0
0°-180°	8497.0	100.0



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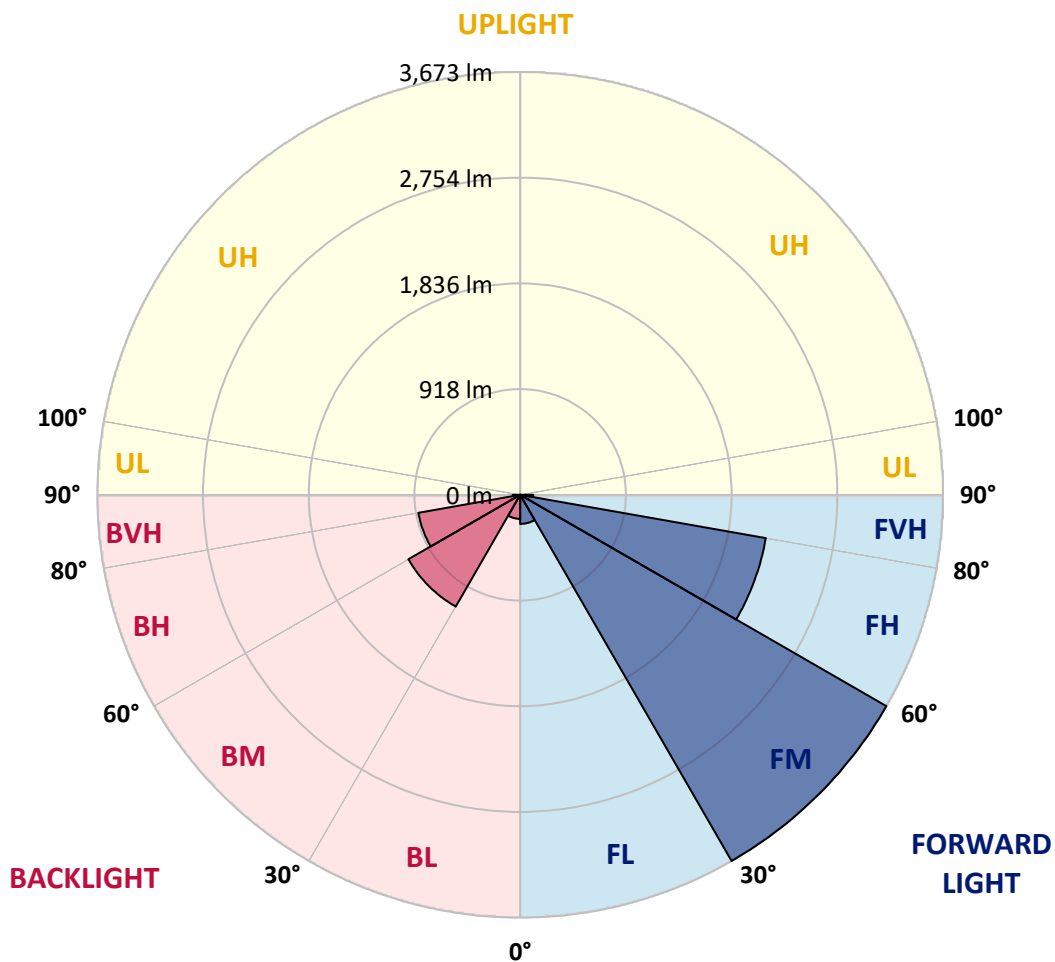
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	252.6	3.0			
FM	(30°-60°)	3672.5	43.2			
FH	(60°-80°)	2166.4	25.5			G2/5000
FVH	(80°-90°)	112.7	1.3			G2/225
BL	(0°-30°)	208.9	2.5	B1/500		
BM	(30°-60°)	1121.1	13.2	B2/2500		
BH	(60°-80°)	897.8	10.6	B2/1000		G2/1000
BVH	(80°-90°)	64.9	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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	4.6	4.6	5.5	6.4	6.4	5.5	4.6	3.7	2.7	1.8	1.8
5°	42.1	37.5	29.3	20.1	11.9	9.1	7.3	5.5	4.6	2.7	1.8
7.5°	205.9	204.9	204.0	204.9	200.4	78.7	14.6	9.1	7.3	3.7	2.7
10°	206.8	205.9	204.9	206.8	206.8	204.0	194.0	28.4	14.6	9.1	9.1
12.5°	367.8	355.0	245.2	215.9	208.6	208.6	208.6	186.6	177.5	130.8	158.3
15°	386.1	383.4	382.4	384.3	340.3	225.1	314.7	296.4	300.1	256.2	303.8
17.5°	406.2	401.6	398.0	398.9	383.4	441.9	413.5	422.7	426.4	323.9	355.0
20°	629.5	629.5	581.9	441.0	484.0	554.4	457.5	502.3	556.3	484.0	496.8
22.5°	714.5	708.1	701.7	665.1	608.4	604.8	665.1	582.8	618.5	710.9	656.9
25°	971.6	973.5	816.1	767.6	850.0	741.1	794.1	789.6	747.5	861.9	832.6
27.5°	1229.6	1233.3	1215.9	1082.3	971.6	953.3	903.9	974.4	963.4	956.1	1024.7
30°	1470.3	1469.4	1390.7	1334.9	1275.4	1169.3	1114.4	1129.0	1172.9	1132.7	1278.1
32.5°	2045.8	2030.2	1946.0	1592.0	1500.5	1400.7	1385.2	1344.0	1431.8	1403.5	1538.0
35°	2429.1	2425.4	2272.7	2073.2	1784.1	1673.4	1675.2	1598.4	1670.6	1707.2	1728.3
37.5°	3285.5	3272.7	3040.3	2455.6	2227.8	2000.0	1957.9	1921.3	1846.3	1952.4	1951.5
40°	3746.6	3710.0	3505.0	3119.9	2615.7	2341.3	2253.4	2174.8	2120.8	2183.0	2174.8
42.5°	4105.2	4076.9	3932.3	3533.4	3121.7	2908.5	2581.0	2506.0	2397.1	2471.2	2432.8
45°	4362.3	4347.7	4218.7	3922.2	3606.6	3450.2	2950.6	2833.5	2739.3	2729.2	2706.3
47.5°	4411.7	4380.6	4342.2	4175.7	4041.2	3994.5	3408.1	3205.9	3050.3	3021.1	2982.6
50°	4178.4	4169.3	4219.6	4189.4	4353.2	4462.0	3936.0	3656.0	3438.3	3334.9	3260.8
52.5°	3637.7	3656.9	3850.0	3984.5	4392.5	4787.8	4431.9	4161.0	3863.7	3635.9	3536.2
55°	2890.2	2959.8	3246.1	3526.1	4146.4	4928.7	4902.1	4688.9	4305.6	3972.6	3825.3
57.5°	2219.6	2212.3	2581.0	2835.3	3646.9	4834.4	5207.7	5147.3	4770.4	4322.1	4101.6
60°	1438.2	1431.8	1867.3	2193.1	2810.6	4351.3	5366.0	5524.3	5206.8	4624.0	4350.4
62.5°	938.7	978.0	1143.6	1606.6	2007.3	3365.1	5312.9	5758.5	5622.2	4904.0	4589.2
65°	603.8	618.5	690.8	1000.9	1391.6	2194.9	4882.9	5723.7	5855.5	5090.6	4698.1
67.5°	450.1	453.8	488.6	622.1	946.9	1147.3	3832.6	5240.6	5697.2	5103.4	4662.4
70°	395.2	402.6	436.4	469.4	704.5	721.9	2240.6	4213.2	5062.2	4919.5	4482.2
72.5°	337.6	344.9	389.8	437.3	538.9	541.6	838.1	2799.6	3963.4	4546.2	4193.1
75°	275.4	280.0	319.3	383.4	449.2	434.6	484.9	1265.3	2537.1	3778.6	3740.2
77.5°	222.3	226.0	254.3	305.6	398.0	333.0	361.4	542.5	1260.8	2728.3	3030.2
80°	161.0	162.9	190.3	234.2	299.2	297.3	269.9	344.0	520.6	1593.8	2006.4
82.5°	102.5	102.5	130.8	153.7	198.5	293.7	189.4	231.5	290.9	793.2	965.2
85°	57.6	59.5	82.3	89.7	116.2	178.4	136.3	128.1	157.4	287.3	237.9
87.5°	11.0	13.7	23.8	25.6	30.2	42.1	49.4	44.8	46.7	66.8	39.3
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	1.8	2.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.7	2.7
5°	1.8	2.7	3.7	3.7	4.6	6.4	7.3	7.3	8.2	9.1	8.2
7.5°	1.8	2.7	3.7	5.5	7.3	14.6	53.1	187.6	201.3	204.0	207.7
10°	8.2	8.2	9.1	10.1	41.2	196.7	211.3	213.2	215.0	215.9	216.8
12.5°	161.0	159.2	158.3	121.7	187.6	216.8	219.6	221.4	224.2	267.2	289.1
15°	307.4	308.3	292.8	280.9	326.6	237.9	253.4	391.6	405.3	409.9	412.6
17.5°	352.2	367.8	326.6	433.7	430.0	362.3	398.9	419.9	421.8	424.5	425.4
20°	500.5	496.8	475.8	543.5	465.7	595.6	494.1	425.4	535.2	589.2	590.1
22.5°	649.6	650.5	620.3	627.6	669.7	613.0	495.0	561.8	575.5	574.6	571.8
25°	837.1	829.8	815.2	698.1	790.5	667.0	658.7	544.4	546.2	590.1	618.5
27.5°	1023.8	1005.5	947.9	904.9	820.7	742.0	622.1	589.2	635.0	632.2	633.1
30°	1281.8	1253.4	1094.2	1088.8	871.0	734.7	633.1	586.5	570.9	574.6	572.7
32.5°	1539.8	1488.6	1344.9	1298.3	928.6	684.4	581.0	541.6	586.5	592.9	589.2
35°	1699.0	1656.9	1607.5	1421.8	935.0	630.4	526.1	535.2	532.5	529.7	531.6
37.5°	1884.7	1816.1	1773.1	1463.9	882.0	562.7	501.4	494.1	538.0	538.9	535.2
40°	2092.4	2014.6	1918.6	1444.7	761.2	509.6	465.7	489.5	492.2	481.2	478.5
42.5°	2326.6	2213.2	2070.5	1419.0	631.3	478.5	452.0	454.7	456.5	444.6	440.1
45°	2562.7	2430.0	2200.4	1347.7	537.1	447.4	430.9	430.0	420.9	409.9	407.1
47.5°	2827.1	2671.6	2307.4	1223.2	470.3	423.6	417.2	399.8	402.6	392.5	391.6
50°	3099.7	2932.3	2368.7	1074.1	426.4	403.5	392.5	387.0	394.3	382.4	380.6
52.5°	3366.9	3226.9	2465.7	940.5	388.8	386.1	381.5	383.4	386.1	373.3	372.4
55°	3656.9	3556.3	2554.4	813.4	355.9	362.3	377.9	376.9	376.0	364.1	364.1
57.5°	3923.2	3873.8	2645.0	715.5	330.3	341.3	369.6	369.6	365.1	355.0	354.1
60°	4232.4	4195.8	2731.0	627.6	308.3	322.1	359.6	360.5	352.2	344.9	343.1
62.5°	4513.3	4485.8	2799.6	535.2	284.5	305.6	344.9	351.3	339.4	333.9	333.9
65°	4710.9	4691.7	2837.2	420.9	261.7	289.1	329.4	338.5	323.0	322.1	322.1
67.5°	4728.3	4716.4	2759.4	351.3	245.2	273.6	310.2	319.3	305.6	308.3	302.8
70°	4566.3	4479.4	2538.9	292.8	228.7	253.4	287.3	298.3	284.5	285.5	276.3
72.5°	4224.2	3973.5	2149.1	248.9	210.4	231.5	262.6	272.6	259.8	257.1	247.0
75°	3648.7	3261.7	1495.9	215.9	191.2	207.7	232.4	242.5	234.2	220.5	217.8
77.5°	2826.2	2390.7	916.7	186.6	173.8	183.0	201.3	206.8	198.5	182.1	179.3
80°	1781.3	1433.7	441.9	161.9	151.0	155.5	167.4	172.0	165.6	149.1	140.0
82.5°	816.1	619.4	233.3	130.8	122.6	122.6	134.5	130.8	125.3	109.8	88.7
85°	190.3	195.8	108.0	80.5	77.8	69.5	80.5	79.6	71.4	54.9	45.7
87.5°	31.1	34.8	27.4	24.7	20.1	15.6	17.4	14.6	12.8	6.4	2.7
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)