

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: P414177

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2341 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

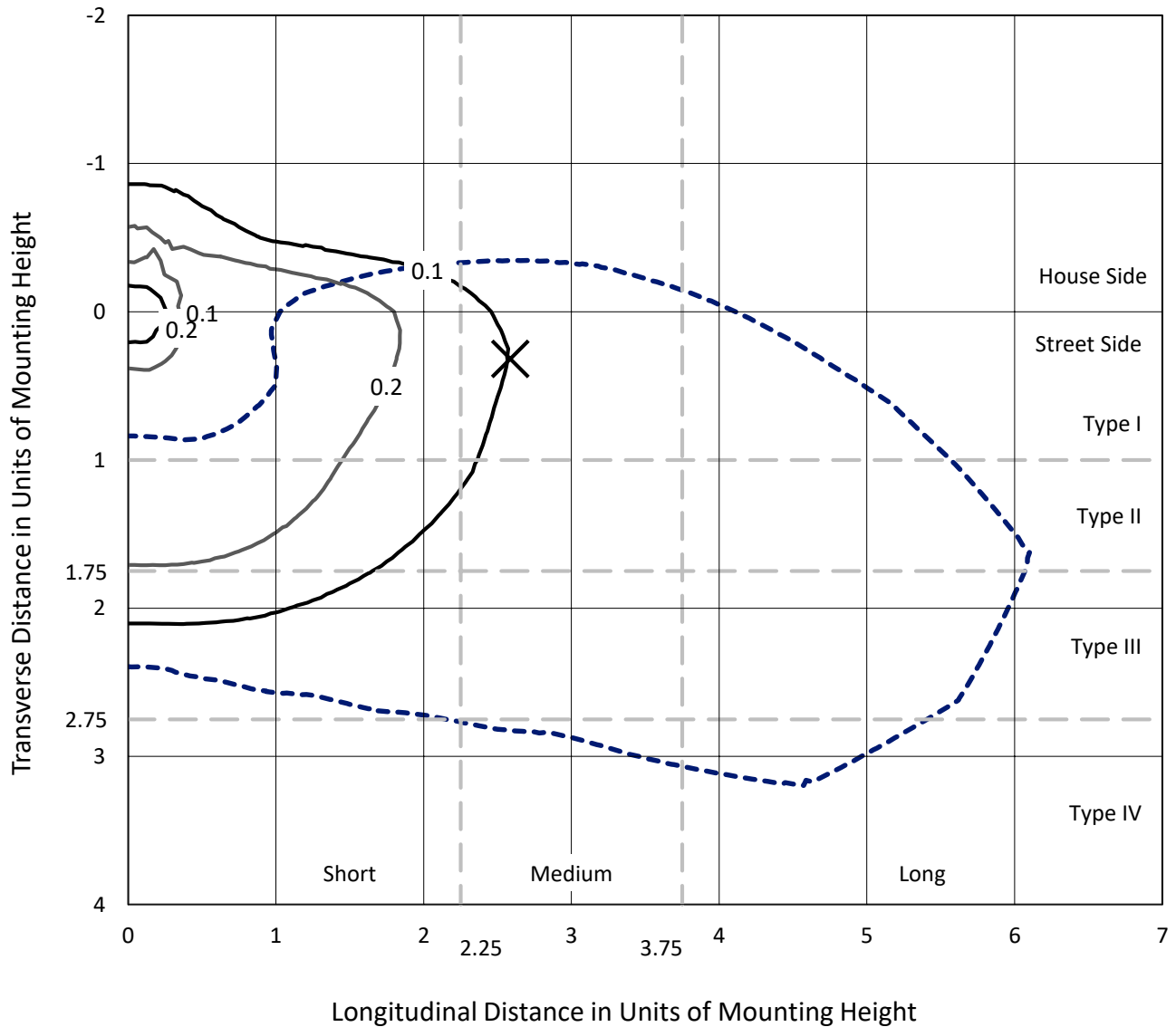
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

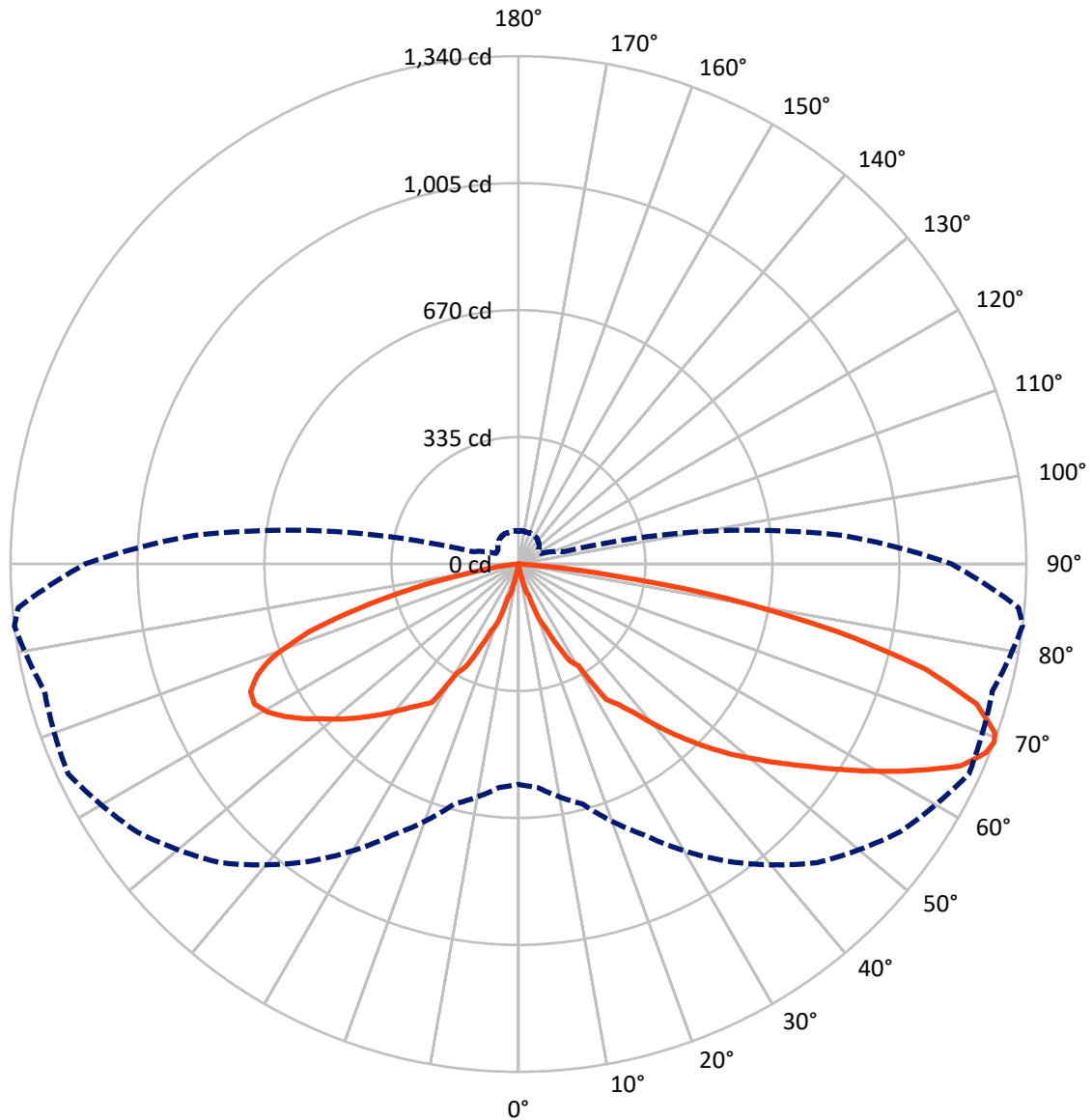


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	496.5	0.0	496.5
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	1844.5	0.0	1844.5
	% Fixture	78.8	0.0	78.8
Total	Lumens	2341.0	0.0	2341.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	23.8	1.0
20°-30°	93.9	4.0
30°-40°	208.9	8.9
40°-50°	354.7	15.2
50°-60°	528.7	22.6
60°-70°	622.6	26.6
70°-80°	435.8	18.6
80°-90°	71.1	3.0
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°	2341.0	100.0
0°-180°	2341.0	100.0

Coefficient of Utilization



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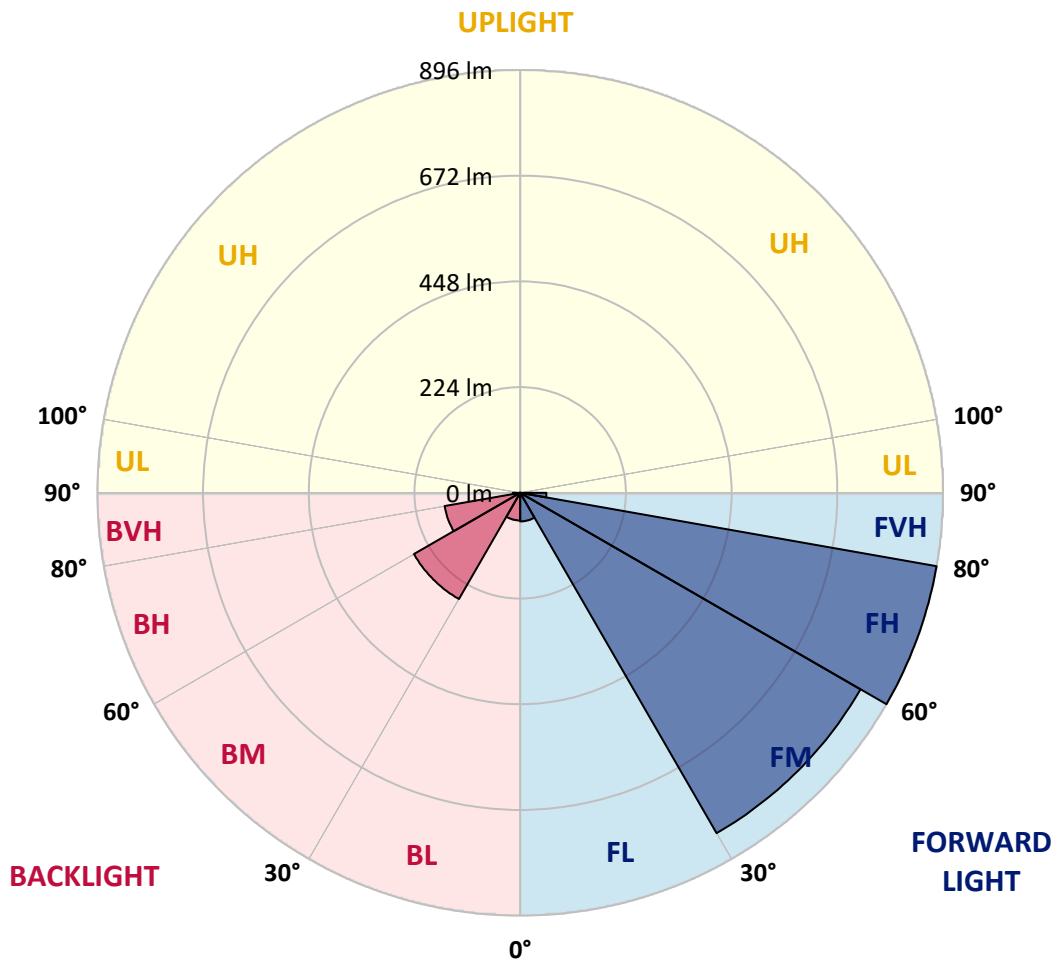
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	60.6	2.6			
FM (30°-60°)	832.5	35.6			
FH (60°-80°)	895.7	38.3			G1/1800
FVH (80°-90°)	55.6	2.4			G1/100
BL (0°-30°)	58.6	2.5	B0/110		
BM (30°-60°)	259.8	11.1	B1/1000		
BH (60°-80°)	162.6	6.9	B1/500		G1/500
BVH (80°-90°)	15.5	0.7			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.3	1.0	1.3	1.5	1.5	1.3	1.0	1.0	1.0	1.0	0.8
5°	20.4	14.9	13.4	11.8	7.1	2.5	1.5	1.0	1.0	1.0	1.0
7.5°	43.1	43.1	43.1	43.3	43.1	32.0	7.6	1.8	1.0	1.0	1.0
10°	43.6	43.3	43.1	43.3	43.9	44.1	42.6	6.0	2.5	2.3	2.3
12.5°	78.9	78.4	75.6	52.9	44.9	45.1	46.1	33.3	12.1	32.0	37.3
15°	83.7	83.2	83.2	83.4	79.1	49.1	69.3	90.7	64.5	77.1	78.4
17.5°	93.8	91.0	88.7	87.2	87.7	97.8	98.3	100.3	75.1	86.4	88.0
20°	143.7	142.6	134.6	103.1	96.3	127.0	113.2	111.4	140.6	152.7	155.2
22.5°	164.1	163.1	157.3	151.7	158.3	138.4	161.0	166.1	190.5	183.2	185.5
25°	222.8	222.0	189.8	175.7	193.0	159.0	198.8	190.3	210.4	234.6	237.2
27.5°	272.7	270.9	264.4	236.9	215.5	238.4	220.0	254.3	285.8	289.8	297.4
30°	323.8	312.3	292.1	293.1	265.4	262.9	262.1	305.2	306.2	312.5	325.4
32.5°	407.5	402.2	385.3	333.2	327.1	292.1	322.6	325.4	400.0	426.2	428.7
35°	474.6	451.9	436.0	406.5	360.6	372.0	359.4	409.3	438.8	455.7	466.0
37.5°	581.4	584.4	558.5	451.1	422.4	409.3	431.2	458.2	495.0	499.0	514.6
40°	658.3	656.3	621.2	542.1	477.8	464.5	479.1	505.6	555.5	560.5	564.3
42.5°	770.2	760.3	711.5	622.5	563.0	534.8	538.8	549.9	599.8	622.2	617.7
45°	873.8	867.2	817.8	708.2	643.7	610.6	604.6	594.8	654.8	684.7	676.4
47.5°	954.9	943.3	915.1	803.4	753.8	697.6	667.4	649.5	709.2	747.5	735.9
50°	1041.9	1024.2	998.8	898.0	849.1	798.9	732.4	709.9	770.4	808.5	799.2
52.5°	1099.6	1072.1	1056.2	982.1	937.0	893.2	795.6	780.5	837.7	874.3	872.2
55°	1070.6	1069.6	1085.7	1038.8	995.0	948.6	861.4	860.7	908.0	945.6	947.3
57.5°	1020.2	1025.5	1071.3	1078.4	1059.7	1005.3	942.8	950.4	990.7	1025.5	1029.3
60°	955.9	970.5	1036.6	1073.9	1088.7	1061.8	1021.2	1032.8	1080.9	1110.9	1109.9
62.5°	871.0	882.8	965.0	1049.4	1079.7	1105.1	1093.5	1130.8	1168.9	1197.1	1204.4
65°	770.7	775.5	864.4	978.3	1056.5	1127.3	1154.0	1221.8	1240.2	1283.5	1285.1
67.5°	659.5	661.1	738.4	874.3	1006.1	1125.5	1205.4	1289.1	1284.3	1330.4	1326.9
69°	581.4	592.2	655.8	789.6	957.2	1114.7	1230.9	1311.3	1295.1	1340.2	1324.9
70°	526.5	525.7	598.3	717.8	914.1	1100.8	1247.0	1317.1	1295.4	1333.4	1310.3
72.5°	335.4	340.5	403.2	509.3	736.7	1020.7	1266.9	1301.7	1267.7	1263.9	1214.2
75°	148.2	134.6	173.9	269.7	463.2	793.9	1219.0	1232.4	1188.8	1110.9	1025.7
77.5°	51.9	53.9	65.5	109.6	223.0	473.0	1010.4	1084.2	1049.9	862.7	767.7
80°	37.0	37.3	43.9	61.2	108.1	166.8	643.2	784.3	808.0	568.8	488.9
82.5°	26.2	26.2	32.5	39.1	74.9	74.6	276.7	431.5	460.9	252.3	188.8
85°	21.9	22.4	25.0	22.7	43.9	38.1	68.3	133.1	109.1	30.7	27.0
87.5°	3.3	3.0	8.6	7.6	6.6	5.5	7.6	8.6	5.8	4.5	3.3
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	1.0	1.0	1.0	1.0	0.8	0.5	0.5	0.5	0.8	0.8	0.8
5°	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.8	2.0	2.3	2.3
7.5°	1.0	1.0	1.0	1.3	1.5	2.3	12.3	42.8	46.9	48.9	50.2
10°	2.0	2.3	2.3	2.3	5.5	47.4	56.5	58.5	60.5	61.5	61.2
12.5°	39.1	40.3	10.1	7.3	44.1	59.2	61.0	63.0	65.0	66.5	66.3
15°	80.4	82.4	79.1	81.9	86.9	64.3	65.8	111.4	120.7	122.5	122.7
17.5°	89.7	91.2	92.7	120.7	123.7	95.3	113.9	122.2	123.2	123.7	124.0
20°	170.9	170.1	137.6	132.3	131.1	165.3	121.0	123.2	147.4	167.8	168.9
22.5°	188.5	190.8	181.7	194.3	172.1	167.3	152.5	163.3	172.4	172.1	171.4
25°	244.5	247.5	208.4	202.1	206.4	166.3	190.3	163.1	165.6	165.8	167.3
27.5°	305.7	306.5	289.3	227.6	203.1	205.9	179.2	173.6	194.1	195.3	195.3
30°	332.9	337.7	305.7	263.6	210.4	194.6	173.6	189.3	180.2	181.7	181.7
32.5°	442.3	438.5	399.2	261.1	218.0	178.9	181.5	175.4	194.3	199.3	199.9
35°	471.0	463.2	401.5	291.8	203.4	182.7	165.8	178.2	178.2	177.9	176.7
37.5°	506.6	493.0	396.7	270.2	204.6	166.8	160.0	160.3	174.9	178.2	175.9
40°	548.6	528.2	395.9	252.3	185.5	158.0	146.9	154.2	154.0	149.7	147.2
42.5°	594.3	567.3	394.2	231.1	166.6	148.2	138.6	136.3	137.6	129.8	129.0
45°	647.7	607.6	389.1	212.5	151.5	137.6	126.8	123.2	123.7	117.7	116.2
47.5°	704.4	649.2	387.9	197.8	138.9	127.0	118.2	113.7	115.4	108.6	107.1
50°	767.7	692.0	383.6	184.2	125.0	117.2	110.6	105.3	105.6	100.3	99.0
52.5°	836.5	733.6	378.8	165.6	112.4	108.9	105.1	101.1	105.6	98.5	97.0
55°	907.0	784.3	372.5	143.9	101.1	102.6	98.8	101.8	108.4	97.3	95.3
57.5°	985.4	831.9	360.6	120.2	92.0	95.5	98.0	102.1	107.4	97.0	93.2
60°	1059.7	877.8	332.4	101.6	84.2	89.7	96.5	100.6	100.1	95.3	92.7
62.5°	1135.4	915.6	280.2	87.2	77.6	86.9	94.3	96.0	93.8	92.0	90.5
65°	1176.9	924.9	217.2	77.6	72.3	83.2	91.5	93.0	89.7	89.7	88.5
67.5°	1170.1	894.9	160.3	69.8	67.8	79.4	86.7	90.2	88.0	89.7	87.7
69°	1142.9	860.7	126.0	65.8	65.5	76.4	83.9	88.0	86.2	88.7	86.2
70°	1110.9	826.1	111.4	63.5	63.3	74.1	82.2	86.2	84.2	86.2	83.9
72.5°	988.2	708.9	79.9	57.2	58.0	69.6	77.9	80.9	79.1	79.6	76.6
75°	790.1	527.0	63.3	51.9	52.7	64.3	73.1	74.9	73.6	71.3	69.6
77.5°	555.5	339.7	51.9	47.1	47.4	58.0	68.0	67.8	65.8	63.5	61.2
80°	302.9	159.8	44.1	41.3	42.1	51.7	60.7	60.0	57.5	55.2	52.4
82.5°	131.1	64.5	34.3	33.0	35.3	43.3	52.2	50.2	47.9	48.9	38.1
85°	23.4	22.2	19.9	21.2	23.9	30.7	36.8	35.0	33.8	28.7	26.5
87.5°	2.0	3.0	3.0	3.8	5.3	5.8	10.3	7.6	7.8	3.0	1.5
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)