

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: P414202

Luminaire Tested: **LXF.LXT-PA1-20-730-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414202
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-PA1-20-730-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA 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: 2524 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

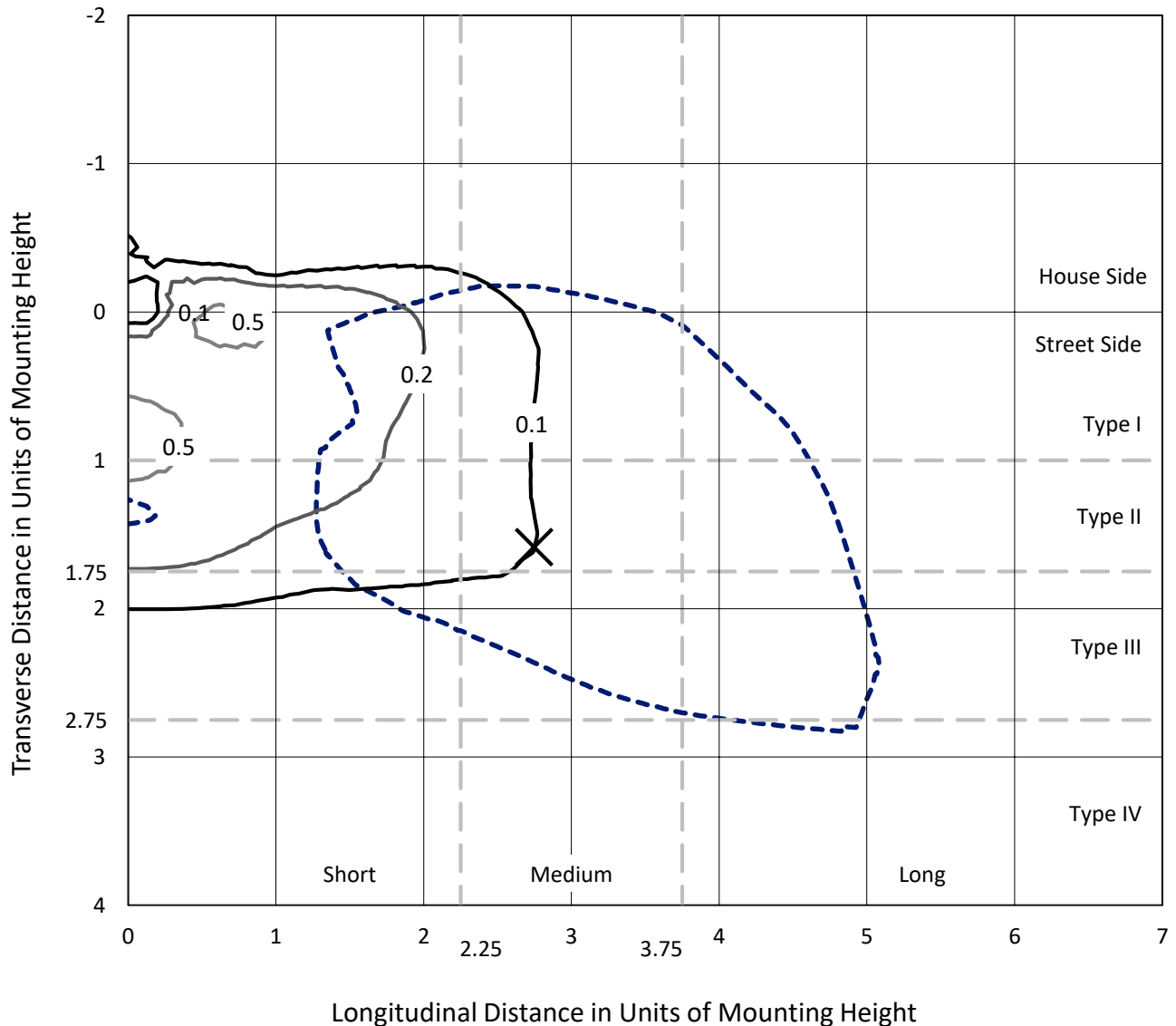
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

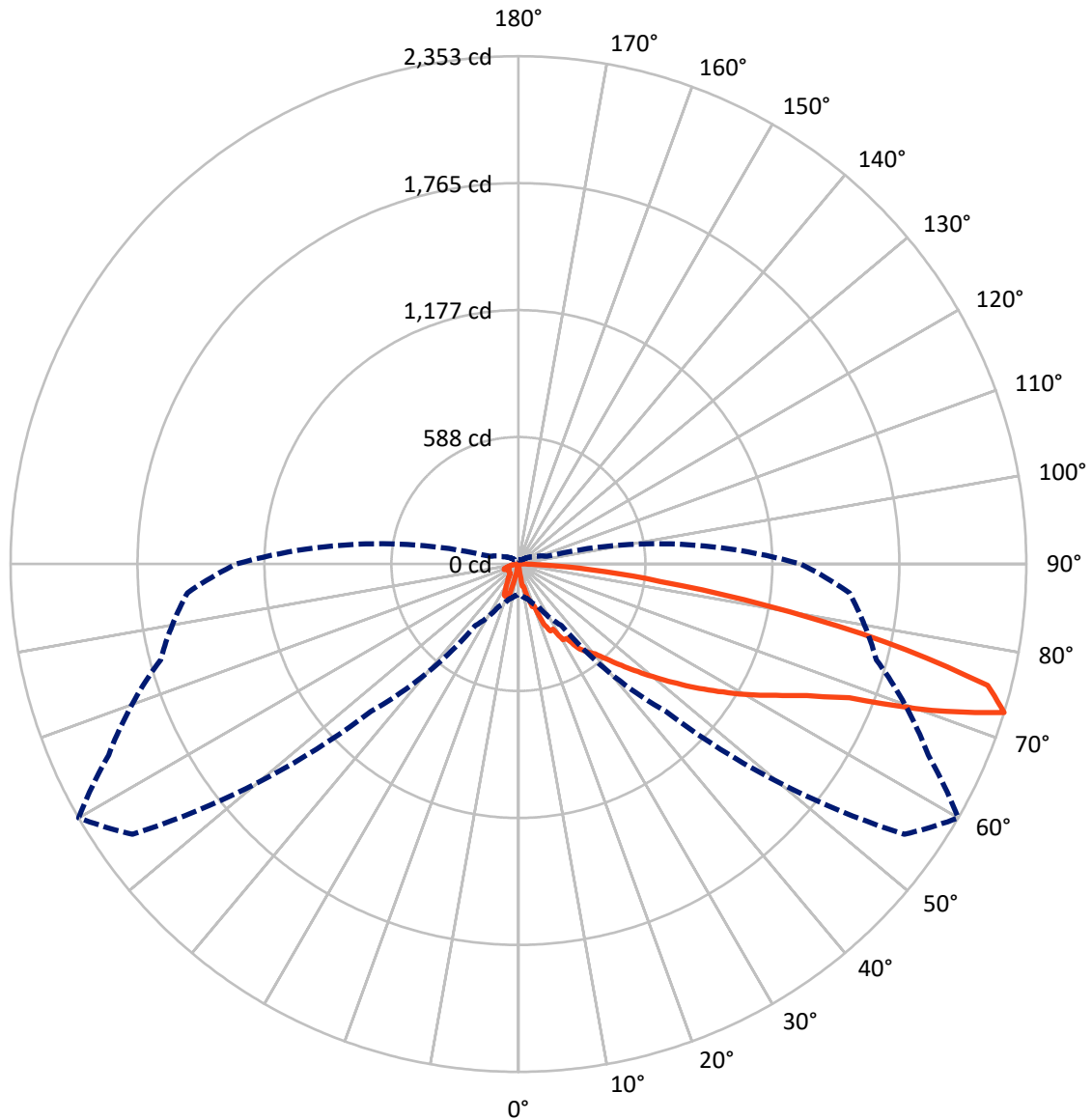


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - Non-Cutoff

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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	363.5	0.0	363.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2160.5	0.0	2160.5
	% Fixture	85.6	0.0	85.6
Total	Lumens	2524.0	0.0	2524.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	36.8	1.5
20°-30°	110.8	4.4
30°-40°	219.2	8.7
40°-50°	363.0	14.4
50°-60°	542.3	21.5
60°-70°	645.1	25.6
70°-80°	516.4	20.5
80°-90°	87.6	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°	2524.0	100.0
0°-180°	2524.0	100.0



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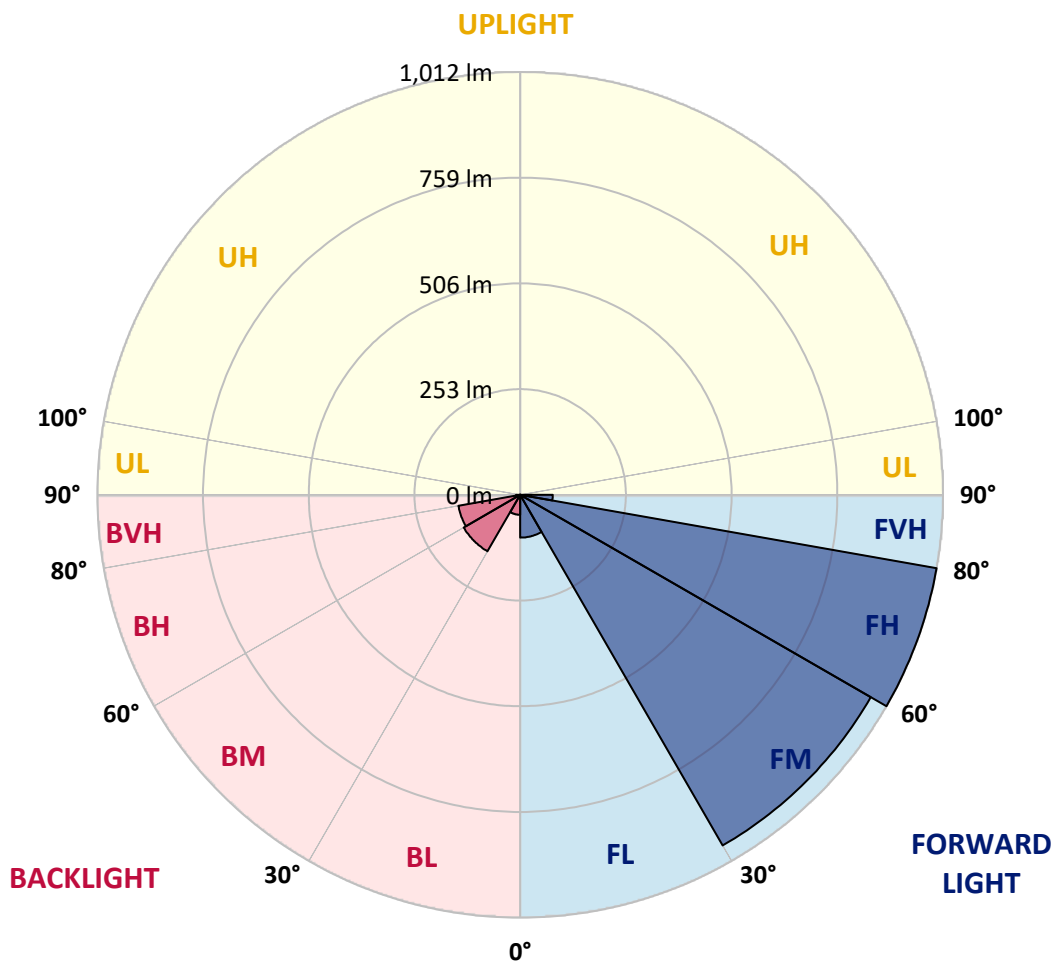
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.4	4.1			
FM	(30°-60°)	968.5	38.4			
FH	(60°-80°)	1011.5	40.1			G1/1800
FVH	(80°-90°)	78.0	3.1			G1/100
BL	(0°-30°)	47.8	1.9	B0/110		
BM	(30°-60°)	156.0	6.2	B0/220		
BH	(60°-80°)	150.0	5.9	B1/500		G1/500
BVH	(80°-90°)	9.7	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.4	1.4	1.6	1.9	1.9	1.6	1.4	1.4	1.4	1.1	1.4
5°	94.3	47.6	31.9	15.1	11.3	5.5	2.2	1.6	1.6	1.4	1.4
7.5°	108.3	108.3	108.6	109.7	110.5	111.1	13.7	7.1	2.7	1.4	1.4
10°	104.5	103.7	104.2	105.3	106.4	108.1	110.0	104.5	12.4	2.2	1.6
12.5°	193.0	192.5	185.9	113.3	105.0	105.0	107.8	108.1	85.0	8.2	8.0
15°	186.2	185.9	186.7	188.6	191.7	108.6	110.3	160.6	209.3	147.4	171.3
17.5°	191.4	189.2	184.2	183.1	185.9	174.6	205.4	207.9	212.6	169.4	173.5
20°	262.6	261.8	261.8	220.5	181.8	254.1	241.1	208.2	213.7	245.0	306.9
22.5°	261.8	260.4	258.5	258.2	296.1	247.2	251.0	301.1	313.2	359.1	346.7
25°	355.8	352.2	298.3	260.1	294.2	276.9	335.5	344.3	318.4	372.6	354.7
27.5°	386.3	379.5	362.4	332.2	296.4	336.6	334.9	342.1	351.1	509.2	487.5
30°	524.6	492.2	400.9	385.8	354.4	340.7	381.7	406.7	443.5	498.8	507.9
32.5°	587.1	575.2	530.7	474.9	414.1	367.9	417.4	411.1	446.8	606.3	651.1
35°	721.8	707.2	585.1	534.8	481.5	450.9	429.2	480.1	524.1	630.5	663.5
37.5°	748.2	744.9	716.6	626.4	554.9	495.8	502.4	516.1	544.7	664.3	698.4
40°	768.8	769.1	777.3	699.5	622.5	567.8	548.0	548.3	572.8	719.9	743.2
42.5°	823.3	825.5	847.7	764.7	704.5	651.9	617.6	602.5	621.2	783.7	798.2
45°	921.4	916.5	935.4	831.8	766.1	721.0	693.5	670.4	680.3	851.6	868.4
47.5°	1044.9	1034.4	1028.1	915.4	833.2	794.4	768.8	744.6	747.6	916.5	948.6
50°	1140.3	1135.1	1102.3	978.6	890.9	868.4	857.6	827.7	814.7	988.8	1040.5
52.5°	1181.0	1176.0	1135.6	1026.5	936.5	939.0	957.7	918.7	882.4	1067.2	1127.9
55°	1173.8	1169.7	1143.0	1050.1	969.5	1007.2	1056.2	1017.1	970.1	1141.1	1217.0
57.5°	1121.0	1123.0	1122.7	1051.8	994.8	1071.3	1152.4	1118.8	1063.0	1214.5	1289.3
60°	1004.5	1014.6	1052.6	1039.9	1027.0	1131.8	1245.9	1230.2	1171.1	1295.1	1356.1
62.5°	804.6	824.6	907.7	975.3	1052.9	1216.5	1337.2	1339.1	1283.0	1357.5	1407.8
65°	542.8	541.1	664.9	832.6	1022.3	1349.5	1473.6	1469.7	1386.7	1428.7	1484.0
67.5°	301.6	308.2	389.4	551.0	904.9	1432.0	1735.3	1652.8	1529.6	1537.3	1591.0
70°	186.7	194.7	221.9	308.0	579.4	1335.8	2071.6	2033.1	1793.9	1681.4	1634.1
72.5°	141.9	146.3	168.3	218.3	348.7	966.2	2183.2	2353.2	2095.3	1716.9	1540.1
75°	84.7	89.9	119.9	188.6	290.6	500.2	1892.9	2245.4	2190.9	1694.4	1344.0
77.5°	52.8	54.2	64.6	131.7	267.8	314.8	1296.8	1739.2	1785.6	1435.1	949.7
80°	40.4	40.7	44.5	70.1	216.4	298.1	750.9	1161.5	1138.4	766.3	373.1
82.5°	25.6	27.2	34.6	42.9	102.8	290.6	443.8	661.3	582.1	207.3	103.9
85°	12.9	14.6	24.5	29.4	49.8	314.8	314.8	339.0	238.4	69.6	39.3
87.5°	2.2	2.2	3.3	7.7	9.9	53.3	88.0	76.7	50.6	9.3	7.7
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.4	1.4	1.4	1.1	0.8	0.5	0.3	0.3	0.3	0.5	0.5
5°	1.4	1.4	1.4	1.1	0.8	0.5	0.3	0.3	0.5	0.8	0.8
7.5°	1.4	1.4	1.4	1.1	0.8	0.8	0.5	1.1	2.5	32.2	21.7
10°	1.6	1.6	1.6	1.4	1.1	3.0	94.0	99.3	99.5	99.0	97.9
12.5°	8.8	9.6	7.1	2.5	10.2	94.3	90.5	86.1	84.4	82.5	82.5
15°	173.8	171.6	162.0	119.3	73.1	84.1	75.6	69.8	108.3	107.0	108.1
17.5°	174.3	170.5	156.7	170.8	158.4	75.6	85.8	93.2	88.0	86.1	86.9
20°	330.8	312.9	158.9	159.2	135.8	134.2	72.9	68.7	69.6	71.2	71.8
22.5°	336.8	316.2	243.9	206.2	116.6	107.5	74.5	59.7	88.3	98.2	99.3
25°	339.6	313.7	230.4	182.6	131.7	80.6	72.0	65.4	80.6	90.5	91.0
27.5°	480.1	435.0	314.8	155.1	101.7	70.7	67.4	61.6	72.3	89.6	89.9
30°	476.0	422.9	291.7	150.1	78.6	65.2	58.3	64.3	68.2	72.9	72.9
32.5°	619.0	542.8	323.6	121.0	66.0	54.2	55.0	58.6	58.8	69.6	70.4
35°	619.2	531.0	278.8	110.5	56.6	49.5	50.3	54.2	59.9	66.8	67.9
37.5°	628.9	525.7	240.3	86.1	56.6	49.5	47.8	51.7	55.8	65.4	66.5
40°	649.2	527.9	203.8	71.5	54.7	48.7	47.3	50.3	55.3	60.8	61.3
42.5°	683.8	540.3	169.1	64.6	53.3	48.7	45.4	47.6	50.3	61.6	62.7
45°	738.8	566.7	142.4	61.9	52.8	46.7	43.2	43.7	45.6	72.9	75.9
47.5°	803.2	603.3	119.3	60.5	52.0	44.8	39.9	40.4	44.8	82.8	86.9
50°	877.4	657.4	105.6	60.2	51.1	42.1	37.4	40.4	49.5	82.5	84.4
52.5°	964.6	712.4	98.2	61.3	50.6	39.6	38.8	45.4	47.0	66.3	66.3
55°	1043.0	773.5	98.7	62.1	48.9	39.6	39.9	38.5	37.1	45.6	45.9
57.5°	1119.9	834.3	107.8	60.5	46.5	39.9	34.4	31.6	32.2	38.8	39.6
60°	1186.8	892.8	135.0	56.9	44.3	36.0	31.9	29.7	30.2	39.0	39.9
62.5°	1258.8	964.3	187.0	58.3	44.0	34.1	29.7	27.2	28.3	32.4	33.0
65°	1356.1	1064.1	233.7	68.7	45.6	33.0	27.2	25.8	26.1	26.4	26.4
67.5°	1451.6	1125.7	225.5	81.1	51.1	32.4	25.8	24.2	23.9	23.9	23.9
70°	1442.2	1058.9	178.7	86.1	55.5	32.4	24.7	22.5	22.0	22.0	22.0
72.5°	1307.2	905.7	137.2	79.7	51.1	31.1	23.1	20.6	19.8	19.8	19.8
75°	1112.2	726.5	115.2	69.3	41.8	26.7	20.3	18.4	17.9	17.9	17.6
77.5°	710.5	429.5	97.9	56.4	32.2	21.7	17.6	15.9	15.9	15.9	15.1
80°	285.1	188.9	76.2	44.5	25.0	17.3	14.6	13.7	13.5	13.2	12.4
82.5°	108.3	93.2	49.5	32.4	19.2	13.2	11.8	11.0	11.0	10.7	9.3
85°	38.8	36.3	22.8	18.7	11.8	8.2	9.1	8.2	8.0	7.1	6.0
87.5°	8.2	9.1	6.3	4.1	4.1	2.5	3.0	3.3	3.3	3.0	1.6
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)