

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: P414468

Luminaire Tested: **LXF.LXT-PA1-20-830-U-T2R-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-830-U-T2R-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1738 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B0 - U0 - G0

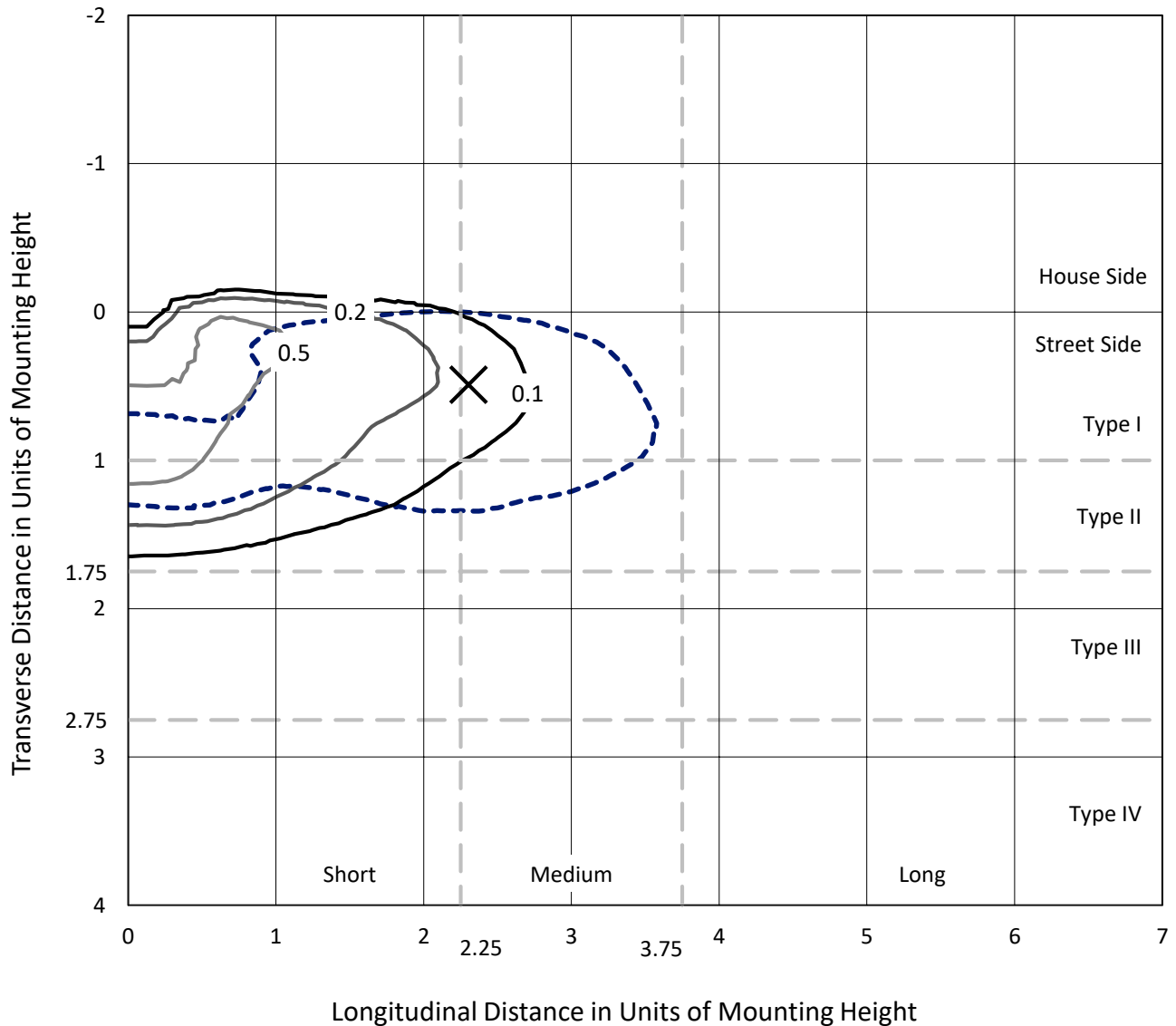
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

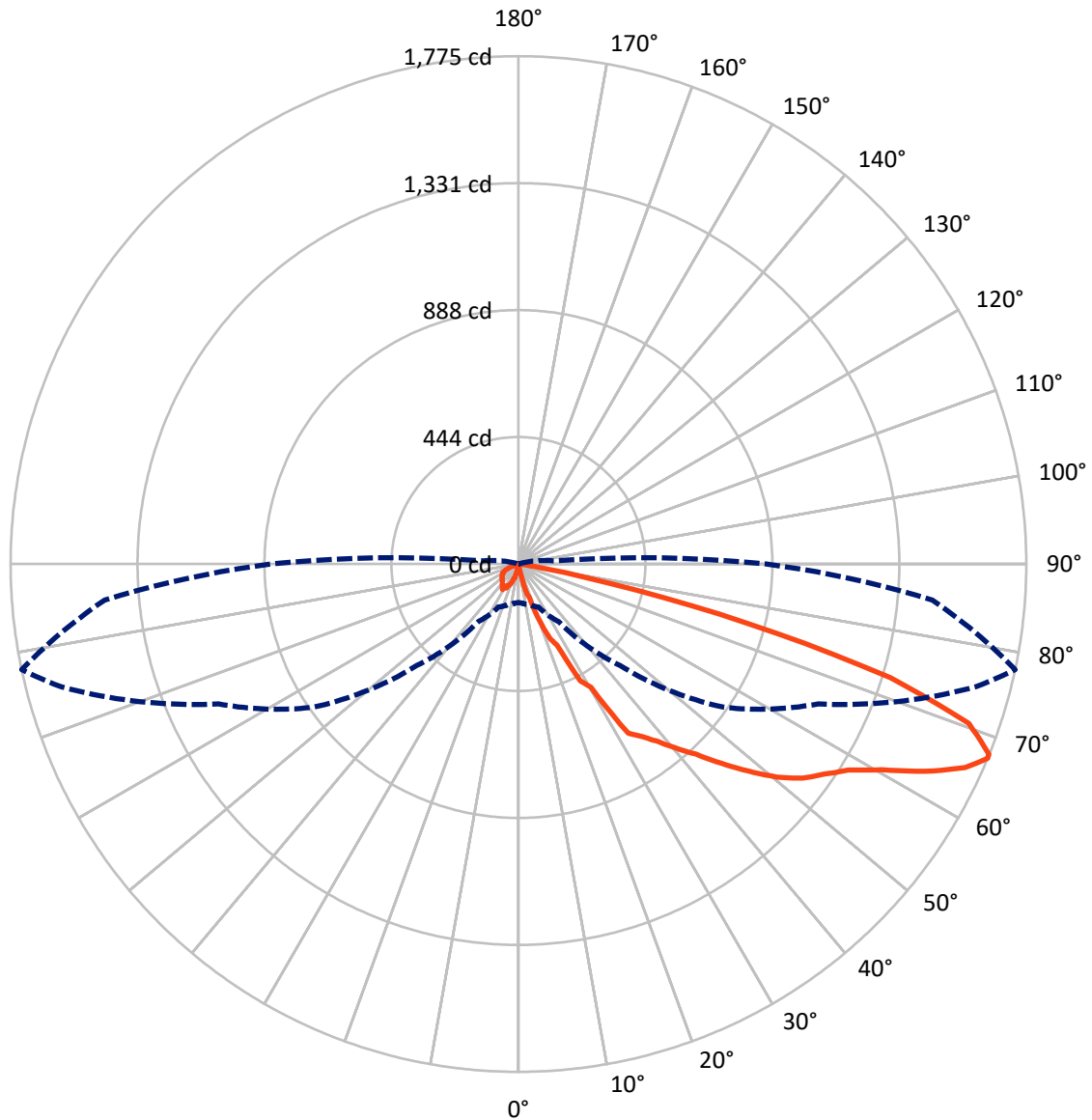
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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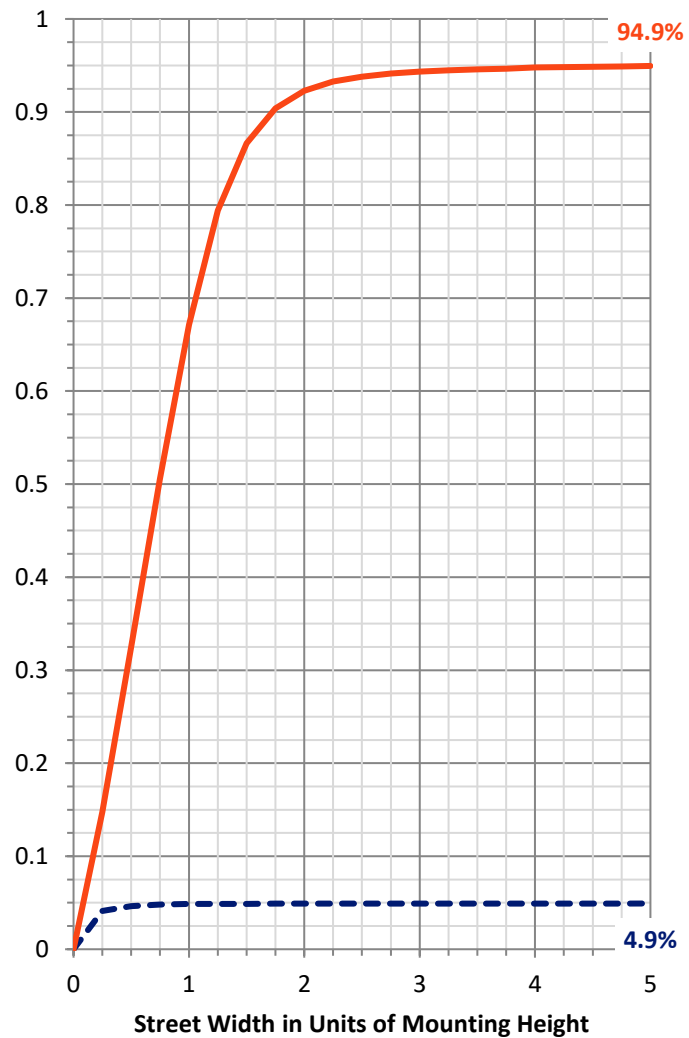
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	86.1	0.0	86.1
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	1651.9	0.0	1651.9
	% Fixture	95.0	0.0	95.0
Total	Lumens	1738.0	0.0	1738.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	23.7	1.4
20°-30°	94.4	5.4
30°-40°	240.1	13.8
40°-50°	393.1	22.6
50°-60°	443.2	25.5
60°-70°	382.2	22.0
70°-80°	153.7	8.8
80°-90°	6.0	0.3
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°	1738.0	100.0
0°-180°	1738.0	100.0



--- HS — SS

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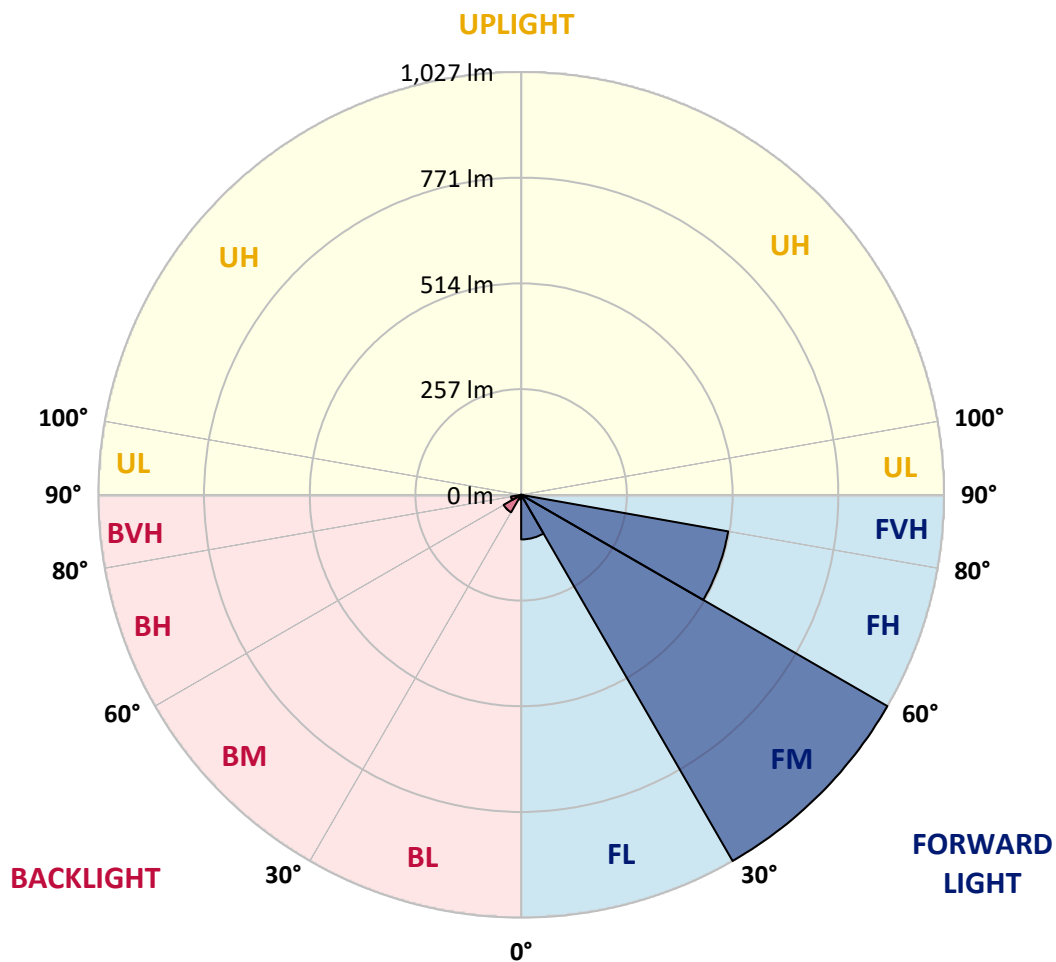
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	108.4	6.2			
FM (30°-60°)	1027.3	59.1			
FH (60°-80°)	510.8	29.4			G0/660
FVH (80°-90°)	5.4	0.3			G0/10
BL (0°-30°)	11.3	0.6	B0/110		
BM (30°-60°)	49.0	2.8	B0/220		
BH (60°-80°)	25.2	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.2	0.2	0.5	0.5	1.0	1.0	0.7	0.7	0.7	0.7	0.7
5°	72.8	57.0	40.5	11.7	4.5	2.2	1.0	0.7	0.7	0.7	0.5
7.5°	81.2	80.4	79.5	79.0	77.6	75.2	5.3	1.0	0.7	0.7	0.7
10°	86.9	85.5	85.2	85.0	84.0	82.1	78.5	4.5	0.7	0.7	0.7
12.5°	174.5	173.8	171.0	100.1	90.0	88.1	85.0	61.1	4.8	40.2	43.6
15°	172.4	171.9	173.8	177.7	181.2	96.7	138.1	174.3	107.0	102.5	106.8
17.5°	178.4	178.1	175.0	178.1	183.6	214.3	197.3	190.1	118.8	124.0	114.0
20°	267.2	266.7	269.4	253.3	190.6	267.0	247.8	205.9	233.2	214.3	215.2
22.5°	280.6	281.6	280.8	286.4	330.9	275.8	308.4	320.1	323.9	283.7	244.9
25°	411.8	405.8	393.4	304.1	356.7	342.1	391.7	346.0	348.4	313.9	313.9
27.5°	461.4	461.4	451.1	439.3	378.5	439.3	412.3	454.4	495.6	463.1	393.1
30°	626.1	621.3	517.4	502.6	471.2	465.0	497.8	533.4	515.2	499.9	442.2
32.5°	744.4	744.9	718.5	638.1	560.3	518.6	576.5	588.5	686.9	704.9	599.5
35°	949.8	937.8	809.0	736.0	659.4	631.6	628.7	689.3	745.8	739.6	649.8
37.5°	1080.3	1071.9	1009.7	845.7	747.5	685.2	722.6	725.5	816.9	785.6	709.9
40°	1140.2	1136.3	1083.6	944.3	824.8	758.5	770.5	779.8	888.3	845.2	760.4
42.5°	1188.5	1184.9	1137.0	993.9	899.0	828.7	824.3	826.0	946.0	908.1	811.4
45°	1211.7	1209.6	1189.0	1037.7	931.4	874.1	883.0	872.2	996.3	993.9	867.9
47.5°	1189.2	1190.4	1196.2	1076.5	955.1	910.1	940.0	922.8	1056.1	1081.3	931.6
50°	1110.0	1109.5	1142.3	1082.2	968.7	938.8	990.3	970.4	1127.2	1170.8	989.1
52.5°	866.0	897.9	1016.6	1020.4	965.6	953.2	1028.1	1025.2	1194.3	1243.6	1046.5
55°	651.7	664.6	777.4	885.2	925.4	951.5	1041.5	1062.1	1243.8	1296.7	1091.5
57.5°	512.1	507.8	569.6	713.5	823.9	923.2	1038.4	1076.5	1292.2	1359.0	1150.9
60°	374.7	378.5	427.6	517.4	677.6	859.1	1028.8	1099.7	1368.8	1459.5	1239.3
62.5°	271.7	271.7	305.5	360.3	519.1	756.1	1008.0	1132.2	1488.8	1596.0	1344.4
65°	182.9	181.7	206.9	234.9	355.5	625.6	952.0	1162.7	1603.7	1716.0	1434.6
67°	134.6	137.2	147.5	165.9	245.9	501.1	872.0	1156.7	1656.6	1775.3	1452.4
67.5°	125.9	127.1	141.3	157.5	226.7	468.1	849.2	1149.5	1662.3	1773.9	1443.3
70°	91.5	93.4	101.0	105.8	137.2	308.9	677.8	1036.5	1578.5	1670.0	1312.3
72.5°	49.1	53.2	73.5	73.0	85.2	188.4	460.9	769.3	1297.5	1359.5	1007.3
75°	38.3	38.8	43.8	54.1	55.1	104.9	221.7	447.0	820.8	825.3	559.3
77.5°	28.0	29.2	32.3	34.2	35.9	59.6	77.6	177.7	363.4	317.5	209.5
80°	18.9	19.6	21.3	25.4	29.4	33.8	25.1	47.4	85.5	66.3	31.4
82.5°	8.1	7.9	14.8	21.3	21.1	13.9	12.7	14.8	17.0	15.6	9.6
85°	0.5	0.7	7.7	10.3	8.9	6.0	7.9	6.2	6.5	6.2	4.8
87.5°	0.2	0.2	0.7	1.0	1.2	1.2	1.4	1.4	1.9	2.2	1.9
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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2.5°	0.7	0.7	0.7	0.7	0.7	0.2	0.2	0.0	0.0	0.0	0.0
5°	0.7	0.7	0.7	0.7	0.7	0.2	0.0	0.0	0.0	0.0	0.0
7.5°	0.7	0.7	0.7	0.7	0.7	0.2	0.0	2.6	7.2	7.7	7.4
10°	0.7	0.7	0.7	0.7	0.5	6.2	8.6	8.1	7.9	7.7	7.7
12.5°	43.6	36.9	6.7	1.4	6.2	7.9	6.9	6.9	6.7	6.7	6.7
15°	95.3	80.0	37.6	12.7	9.8	6.7	6.2	6.2	10.3	11.3	11.0
17.5°	99.8	80.7	36.9	17.2	14.1	8.6	8.6	11.0	10.8	10.3	10.3
20°	189.9	124.5	42.6	17.0	12.9	13.6	10.3	9.6	9.1	8.6	8.6
22.5°	203.0	146.3	45.7	21.5	13.9	13.6	10.5	8.9	11.3	11.0	11.0
25°	262.2	176.7	41.4	20.1	18.0	12.5	11.3	9.8	9.6	9.1	9.1
27.5°	324.9	209.0	45.7	20.8	16.3	12.2	10.5	8.6	9.1	10.1	10.1
30°	356.3	209.3	36.2	21.3	15.6	12.5	9.3	9.6	9.1	8.9	8.6
32.5°	478.1	268.6	34.7	20.4	14.6	10.8	9.6	8.4	7.7	8.4	8.4
35°	499.7	259.3	30.2	20.6	13.2	9.8	8.1	7.7	7.7	7.4	7.4
37.5°	523.4	249.2	26.6	18.2	12.7	8.9	6.9	6.9	6.7	7.2	7.2
40°	549.5	238.7	23.7	15.8	10.8	7.4	6.2	6.0	6.2	6.2	6.0
42.5°	579.9	228.4	21.3	13.9	9.1	6.2	5.0	5.0	5.0	4.8	4.8
45°	612.5	220.3	19.6	12.0	7.7	5.3	4.1	3.8	3.6	3.6	3.6
47.5°	651.0	216.9	18.2	10.1	6.5	4.1	3.1	2.9	2.6	2.4	2.4
50°	683.3	215.5	16.0	8.4	5.5	3.4	2.2	1.9	1.7	1.4	1.4
52.5°	711.8	209.3	13.9	6.7	4.3	2.4	1.4	1.0	0.7	0.7	0.7
55°	740.1	203.5	12.0	5.7	3.1	1.4	0.7	0.2	0.2	0.5	0.5
57.5°	775.0	197.0	10.3	4.8	2.4	1.0	0.5	0.0	0.2	0.2	0.5
60°	829.9	190.3	9.1	4.1	1.7	0.7	0.2	0.0	0.0	0.2	0.2
62.5°	878.9	178.6	7.9	3.6	1.4	0.7	0.2	0.0	0.0	0.0	0.2
65°	900.2	154.4	6.9	3.1	1.4	0.7	0.2	0.0	0.0	0.0	0.0
67°	864.6	125.0	6.2	2.9	1.2	0.5	0.2	0.0	0.0	0.0	0.0
67.5°	847.8	116.6	6.2	2.6	1.2	0.5	0.2	0.2	0.0	0.0	0.0
70°	719.7	77.3	5.5	2.4	1.2	0.5	0.5	0.2	0.0	0.0	0.0
72.5°	552.4	45.0	4.8	2.2	1.2	0.5	0.5	0.2	0.2	0.0	0.0
75°	308.9	22.7	3.8	2.2	1.2	0.7	0.7	0.5	0.5	0.5	0.0
77.5°	98.9	12.5	2.9	1.9	1.2	0.7	0.7	0.5	0.7	0.7	0.2
80°	15.6	6.5	2.2	1.4	1.2	0.5	0.7	0.7	1.0	1.0	0.2
82.5°	5.7	3.6	1.7	1.4	1.2	0.5	0.7	0.7	1.0	1.2	0.0
85°	2.6	2.2	1.7	1.4	1.2	0.5	0.7	0.7	1.0	1.2	0.0
87.5°	1.2	1.7	1.4	1.4	1.2	0.5	0.7	0.7	1.0	1.0	0.0
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)