

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: P414832

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T2R-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414832  
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-PA1-30-827-U-T2R-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 375mA 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: 2256 lumens  
Efficiency: N/A  
Efficacy: 72.8 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 - G1

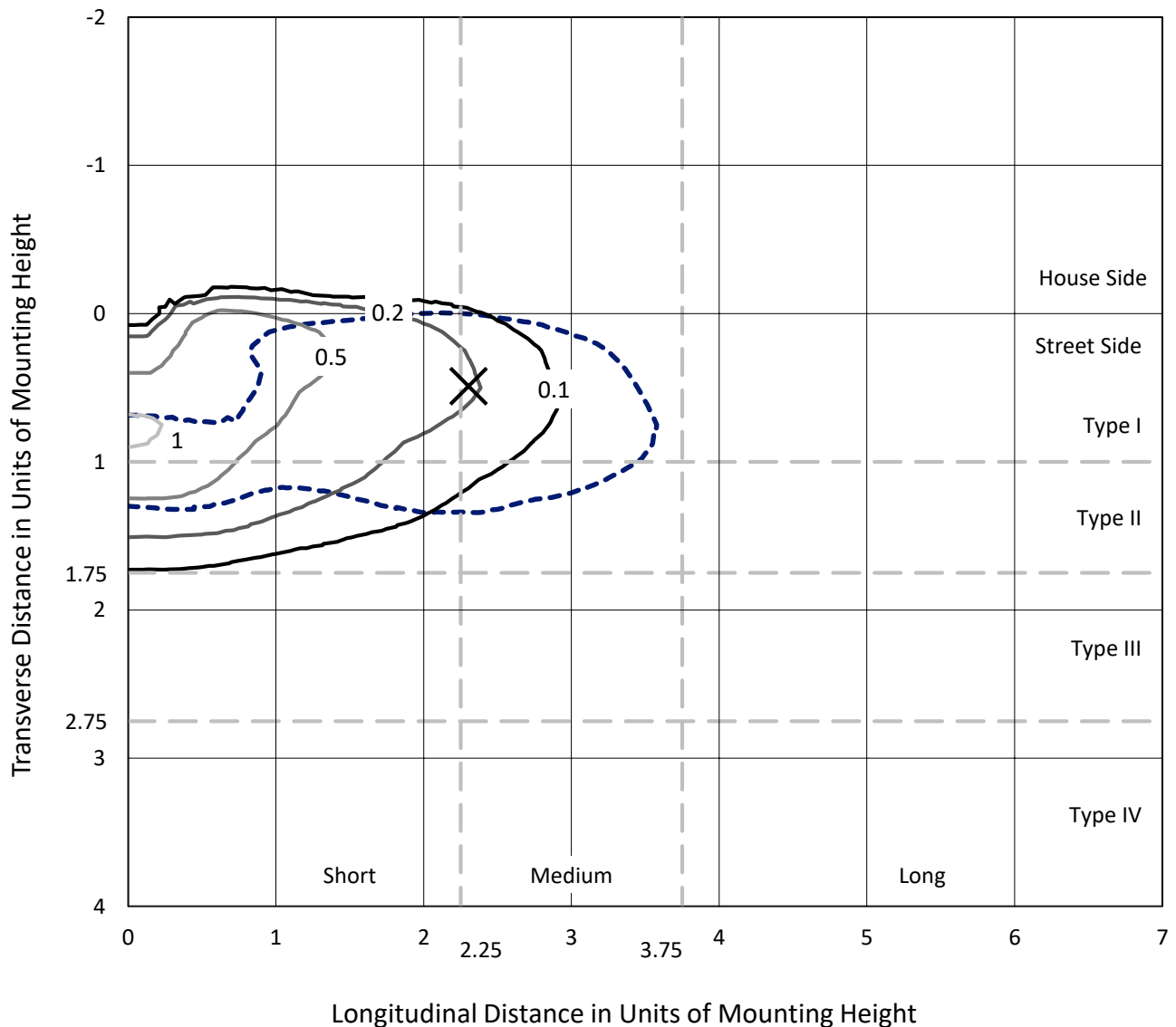
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

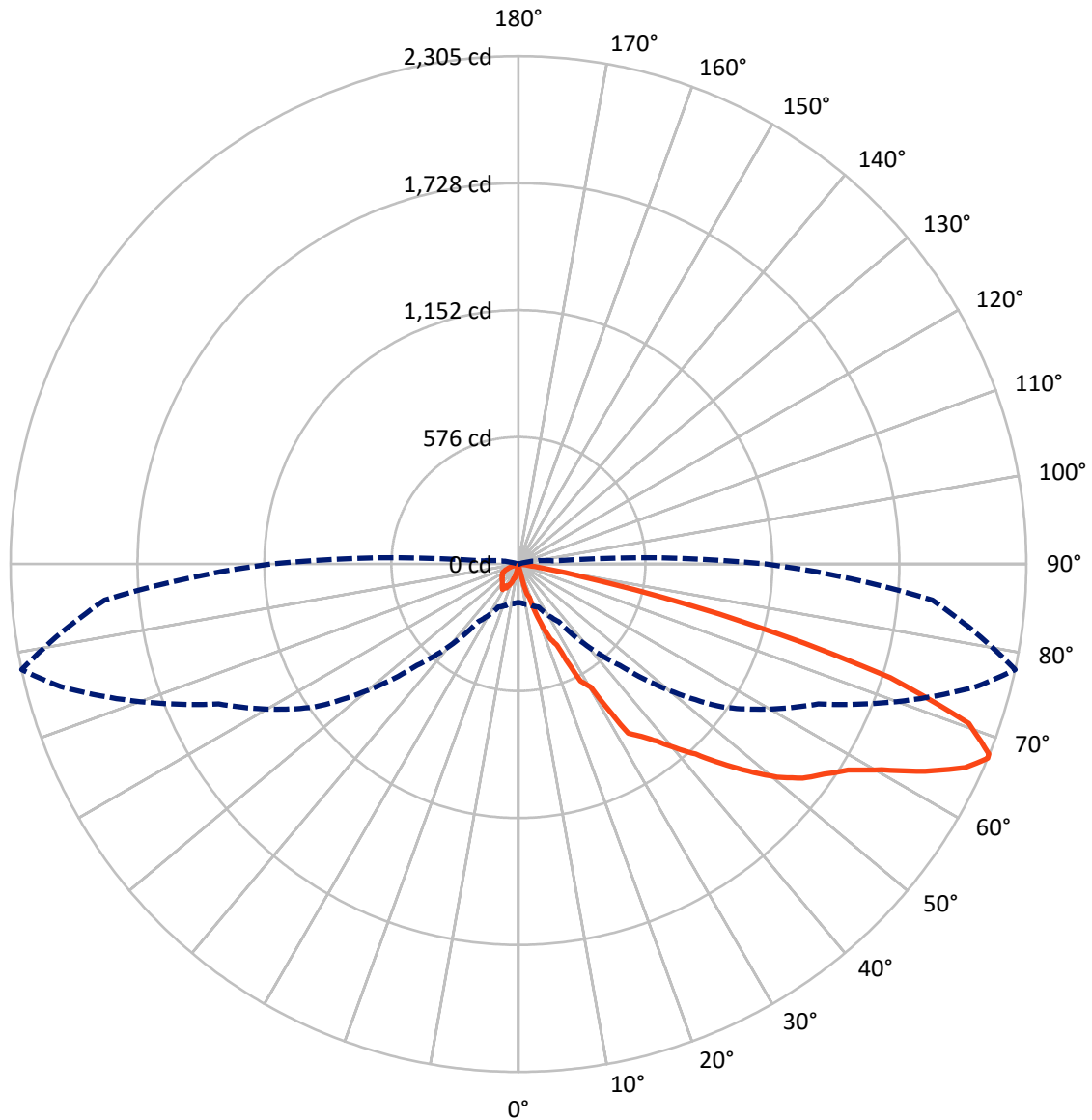
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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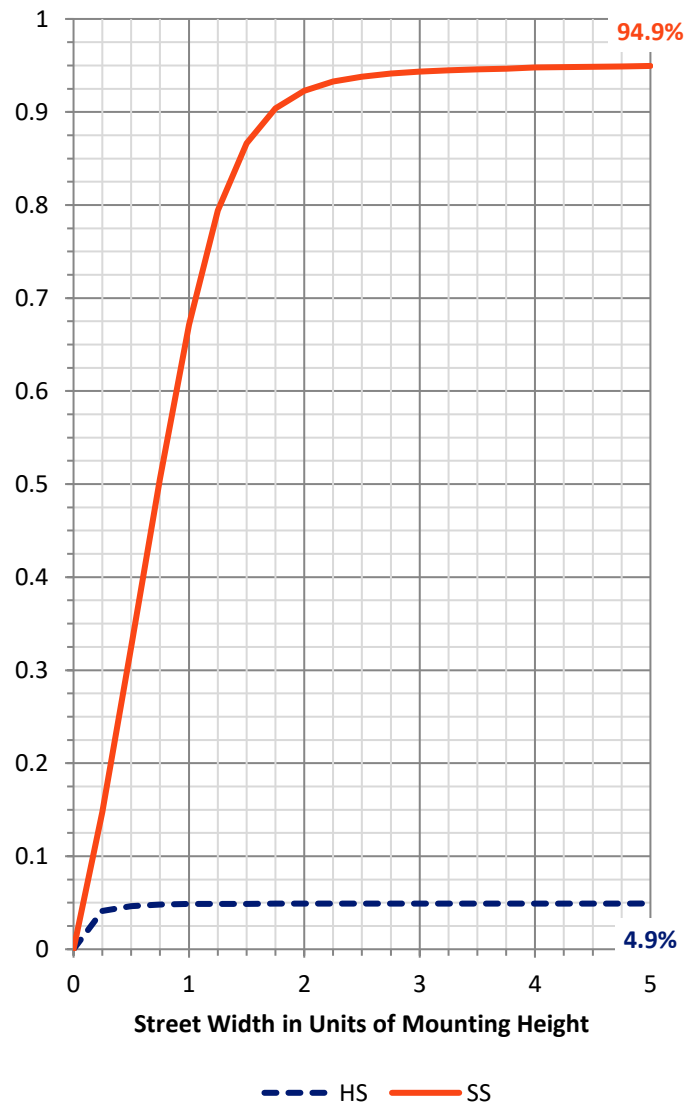
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	111.7	0.0	111.7
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	2144.3	0.0	2144.3
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	2256.0	0.0	2256.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.1	0.1
10°-20°	30.7	1.4
20°-30°	122.5	5.4
30°-40°	311.6	13.8
40°-50°	510.2	22.6
50°-60°	575.3	25.5
60°-70°	496.1	22.0
70°-80°	199.6	8.8
80°-90°	7.8	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°	2256.0	100.0
0°-180°	2256.0	100.0



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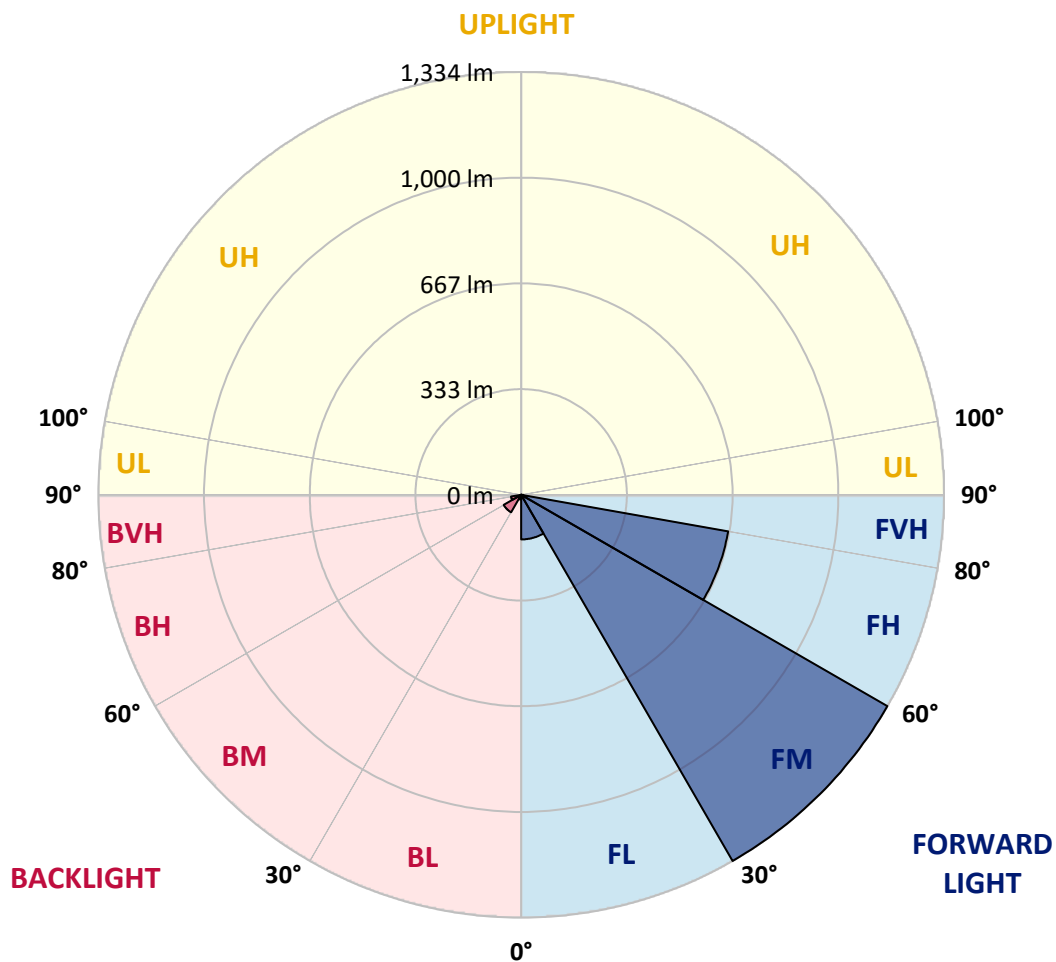
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.7	6.2			
FM	(30°-60°)	1333.5	59.1			
FH	(60°-80°)	663.0	29.4			G1/1800
FVH	(80°-90°)	7.0	0.3			G0/10
BL	(0°-30°)	14.7	0.6	B0/110		
BM	(30°-60°)	63.6	2.8	B0/220		
BH	(60°-80°)	32.6	1.4	B0/110		G0/110
BVH	(80°-90°)	0.8	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-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.3	0.3	0.6	0.6	1.2	1.2	0.9	0.9	0.9	0.9	0.9
5°	94.5	74.0	52.5	15.2	5.9	2.8	1.2	0.9	0.9	0.9	0.6
7.5°	105.4	104.4	103.2	102.6	100.7	97.6	6.8	1.2	0.9	0.9	0.9
10°	112.8	111.0	110.6	110.3	109.1	106.6	101.9	5.9	0.9	0.9	0.9
12.5°	226.6	225.6	221.9	129.9	116.9	114.4	110.3	79.3	6.2	52.2	56.6
15°	223.8	223.1	225.6	230.6	235.3	125.6	179.3	226.3	138.9	133.0	138.6
17.5°	231.5	231.2	227.2	231.2	238.4	278.2	256.1	246.8	154.2	161.0	147.9
20°	346.8	346.2	349.6	328.8	247.4	346.5	321.7	267.3	302.7	278.2	279.4
22.5°	364.2	365.5	364.6	371.7	429.5	358.0	400.3	415.5	420.5	368.3	317.9
25°	534.6	526.8	510.6	394.7	463.1	444.1	508.4	449.1	452.2	407.4	407.4
27.5°	598.9	598.9	585.5	570.3	491.4	570.3	535.2	589.9	643.3	601.1	510.3
30°	812.7	806.5	671.6	652.3	611.6	603.5	646.1	692.4	668.8	648.9	574.0
32.5°	966.2	966.9	932.7	828.2	727.2	673.2	748.4	763.9	891.6	915.0	778.2
35°	1232.9	1217.4	1050.1	955.4	855.9	819.9	816.1	894.8	968.1	960.0	843.5
37.5°	1402.3	1391.4	1310.6	1097.7	970.3	889.5	938.0	941.7	1060.4	1019.7	921.5
40°	1480.0	1475.0	1406.6	1225.7	1070.7	984.6	1000.1	1012.2	1153.0	1097.1	987.1
42.5°	1542.7	1538.1	1475.9	1290.1	1167.0	1075.6	1070.0	1072.2	1227.9	1178.8	1053.3
45°	1572.9	1570.1	1543.4	1346.9	1209.0	1134.7	1146.2	1132.2	1293.2	1290.1	1126.6
47.5°	1543.7	1545.2	1552.7	1397.3	1239.7	1181.3	1220.1	1197.8	1370.9	1403.5	1209.3
50°	1440.8	1440.2	1482.8	1404.8	1257.4	1218.6	1285.4	1259.6	1463.2	1519.7	1283.9
52.5°	1124.1	1165.4	1319.6	1324.6	1253.4	1237.2	1334.5	1330.8	1550.2	1614.2	1358.4
55°	846.0	862.7	1009.1	1149.0	1201.2	1235.1	1351.9	1378.6	1614.5	1683.2	1416.9
57.5°	664.8	659.2	739.4	926.1	1069.4	1198.4	1347.9	1397.3	1677.3	1764.0	1494.0
60°	486.4	491.4	555.1	671.6	879.5	1115.1	1335.4	1427.4	1776.8	1894.6	1608.6
62.5°	352.7	352.7	396.6	467.7	673.8	981.5	1308.4	1469.7	1932.5	2071.7	1745.1
65°	237.4	235.9	268.5	304.9	461.5	812.1	1235.7	1509.2	2081.6	2227.4	1862.2
67°	174.7	178.1	191.4	215.4	319.2	650.5	1131.9	1501.4	2150.3	2304.5	1885.2
67.5°	163.5	165.0	183.4	204.5	294.3	607.6	1102.4	1492.1	2157.8	2302.6	1873.4
70°	118.7	121.2	131.2	137.4	178.1	400.9	879.8	1345.4	2049.0	2167.7	1703.4
72.5°	63.7	69.0	95.4	94.8	110.6	244.6	598.3	998.6	1684.2	1764.6	1307.5
75°	49.7	50.3	56.9	70.2	71.5	136.1	287.8	580.2	1065.4	1071.3	726.0
77.5°	36.4	37.9	42.0	44.4	46.6	77.4	100.7	230.6	471.8	412.1	271.9
80°	24.6	25.5	27.7	32.9	38.2	43.8	32.6	61.5	111.0	86.1	40.7
82.5°	10.6	10.3	19.3	27.7	27.3	18.0	16.5	19.3	22.1	20.2	12.4
85°	0.6	0.9	9.9	13.4	11.5	7.8	10.3	8.1	8.4	8.1	6.2
87.5°	0.3	0.3	0.9	1.2	1.6	1.6	1.9	1.9	2.5	2.8	2.5
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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2.5°	0.9	0.9	0.9	0.9	0.9	0.3	0.3	0.0	0.0	0.0	0.0
5°	0.9	0.9	0.9	0.9	0.9	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	0.9	0.9	0.9	0.9	0.9	0.3	0.0	3.4	9.3	9.9	9.6
10°	0.9	0.9	0.9	0.9	0.6	8.1	11.2	10.6	10.3	9.9	9.9
12.5°	56.6	47.9	8.7	1.9	8.1	10.3	9.0	9.0	8.7	8.7	8.7
15°	123.7	103.8	48.8	16.5	12.7	8.7	8.1	8.1	13.4	14.6	14.3
17.5°	129.6	104.7	47.9	22.4	18.3	11.2	11.2	14.3	14.0	13.4	13.4
20°	246.5	161.6	55.3	22.1	16.8	17.7	13.4	12.4	11.8	11.2	11.2
22.5°	263.5	189.9	59.4	28.0	18.0	17.7	13.7	11.5	14.6	14.3	14.3
25°	340.3	229.4	53.8	26.1	23.3	16.2	14.6	12.7	12.4	11.8	11.8
27.5°	421.7	271.3	59.4	27.0	21.1	15.9	13.7	11.2	11.8	13.1	13.1
30°	462.5	271.6	46.9	27.7	20.2	16.2	12.1	12.4	11.8	11.5	11.2
32.5°	620.6	348.7	45.1	26.4	19.0	14.0	12.4	10.9	9.9	10.9	10.9
35°	648.6	336.6	39.2	26.7	17.1	12.7	10.6	9.9	9.9	9.6	9.6
37.5°	679.4	323.5	34.5	23.6	16.5	11.5	9.0	9.0	8.7	9.3	9.3
40°	713.3	309.9	30.8	20.5	14.0	9.6	8.1	7.8	8.1	8.1	7.8
42.5°	752.7	296.5	27.7	18.0	11.8	8.1	6.5	6.5	6.5	6.2	6.2
45°	795.0	285.9	25.5	15.5	9.9	6.8	5.3	5.0	4.7	4.7	4.7
47.5°	845.0	281.6	23.6	13.1	8.4	5.3	4.0	3.7	3.4	3.1	3.1
50°	887.0	279.7	20.8	10.9	7.1	4.4	2.8	2.5	2.2	1.9	1.9
52.5°	924.0	271.6	18.0	8.7	5.6	3.1	1.9	1.2	0.9	0.9	0.9
55°	960.6	264.2	15.5	7.5	4.0	1.9	0.9	0.3	0.3	0.6	0.6
57.5°	1006.0	255.8	13.4	6.2	3.1	1.2	0.6	0.0	0.3	0.3	0.6
60°	1077.2	247.1	11.8	5.3	2.2	0.9	0.3	0.0	0.0	0.3	0.3
62.5°	1140.9	231.8	10.3	4.7	1.9	0.9	0.3	0.0	0.0	0.0	0.3
65°	1168.6	200.5	9.0	4.0	1.9	0.9	0.3	0.0	0.0	0.0	0.0
67°	1122.3	162.2	8.1	3.7	1.6	0.6	0.3	0.0	0.0	0.0	0.0
67.5°	1100.5	151.4	8.1	3.4	1.6	0.6	0.3	0.3	0.0	0.0	0.0
70°	934.2	100.4	7.1	3.1	1.6	0.6	0.6	0.3	0.0	0.0	0.0
72.5°	717.0	58.4	6.2	2.8	1.6	0.6	0.6	0.3	0.3	0.0	0.0
75°	400.9	29.5	5.0	2.8	1.6	0.9	0.9	0.6	0.6	0.6	0.0
77.5°	128.4	16.2	3.7	2.5	1.6	0.9	0.9	0.6	0.9	0.9	0.3
80°	20.2	8.4	2.8	1.9	1.6	0.6	0.9	0.9	1.2	1.2	0.3
82.5°	7.5	4.7	2.2	1.9	1.6	0.6	0.9	0.9	1.2	1.6	0.0
85°	3.4	2.8	2.2	1.9	1.6	0.6	0.9	0.9	1.2	1.6	0.0
87.5°	1.6	2.2	1.9	1.9	1.6	0.6	0.9	0.9	1.2	1.2	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)