

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: P415153

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3701 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

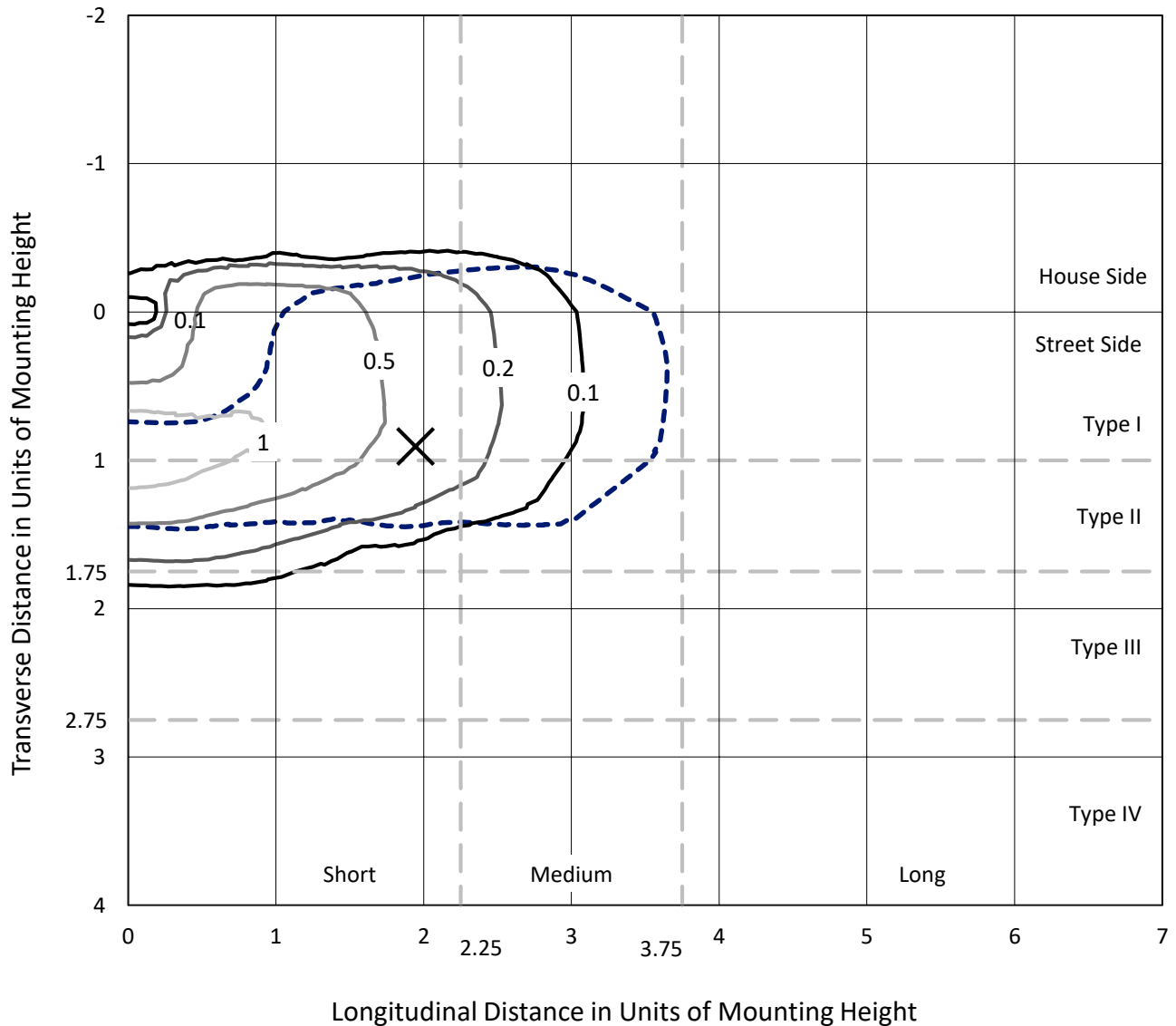
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

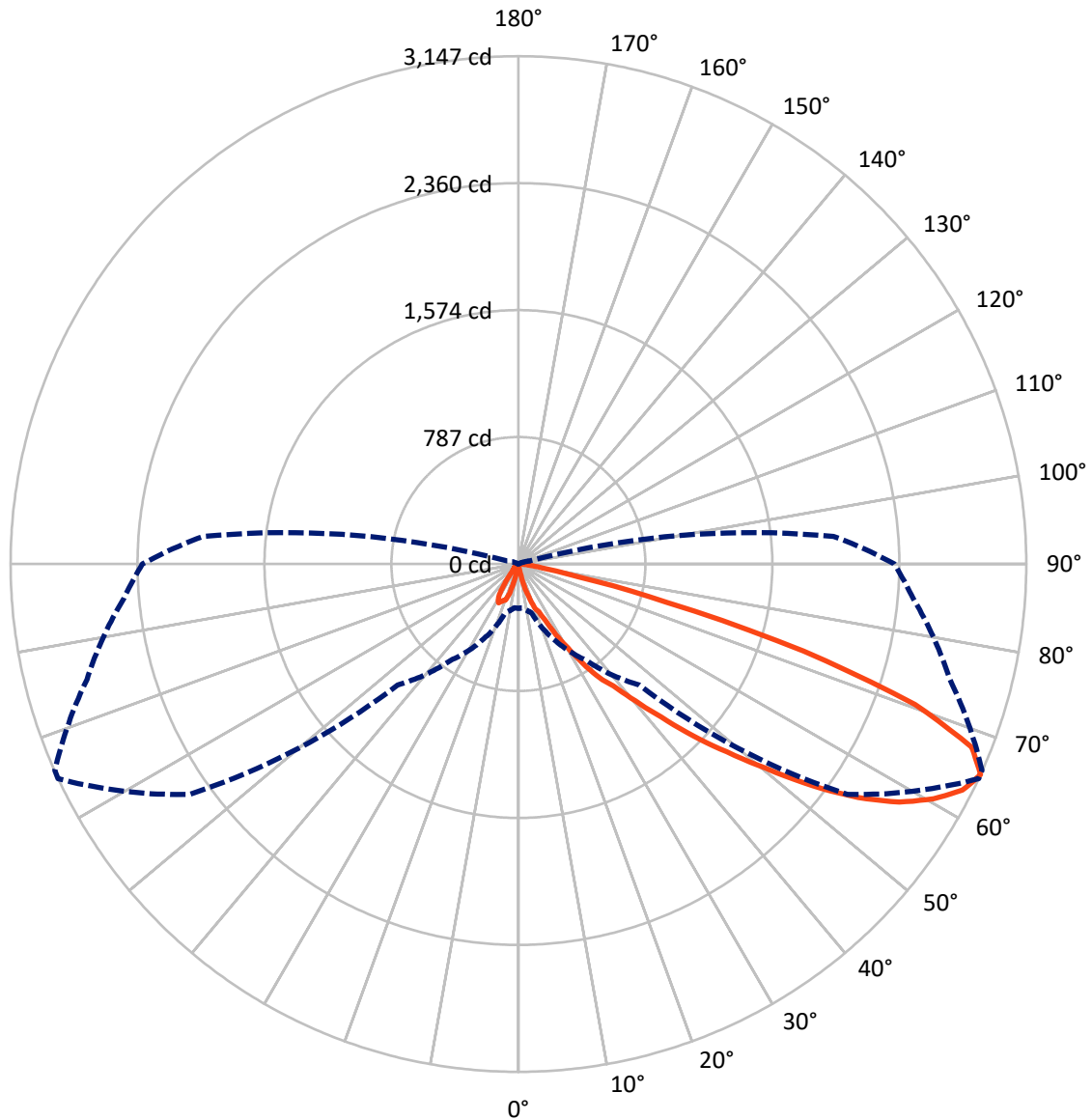
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - Full 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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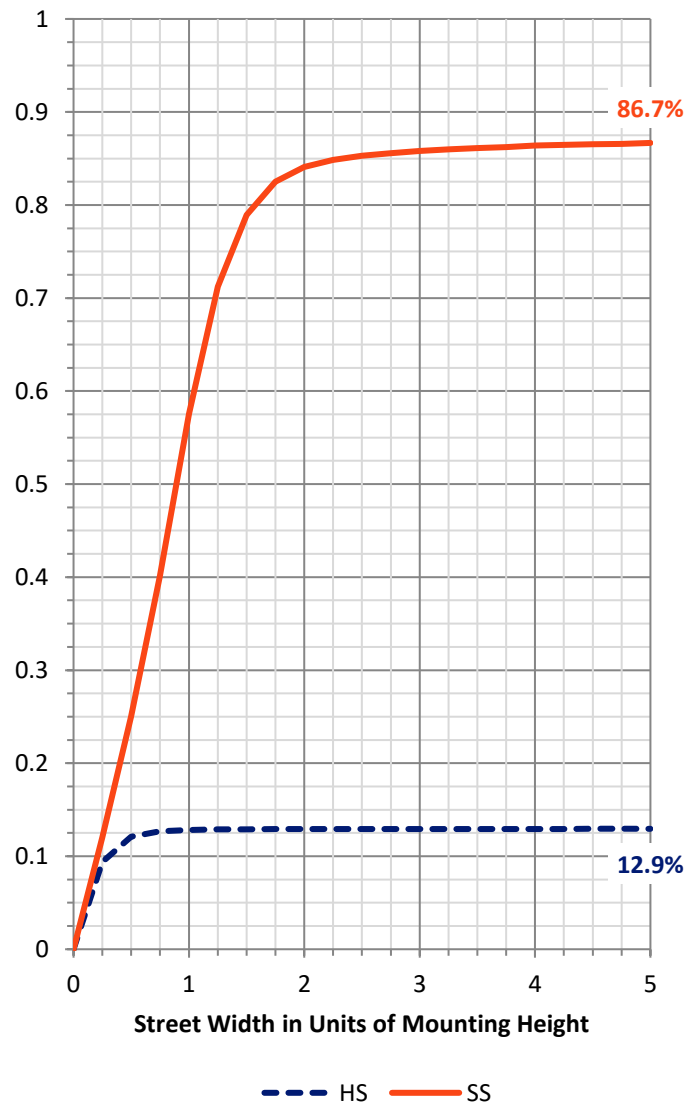
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	485.6	0.0	485.6
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	3215.4	0.0	3215.4
	% Fixture	86.9	0.0	86.9
Total	Lumens	3701.0	0.0	3701.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	38.5	1.0
20°-30°	130.5	3.5
30°-40°	367.2	9.9
40°-50°	814.8	22.0
50°-60°	1092.5	29.5
60°-70°	870.4	23.5
70°-80°	358.6	9.7
80°-90°	25.7	0.7
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°	3701.0	100.0
0°-180°	3701.0	100.0



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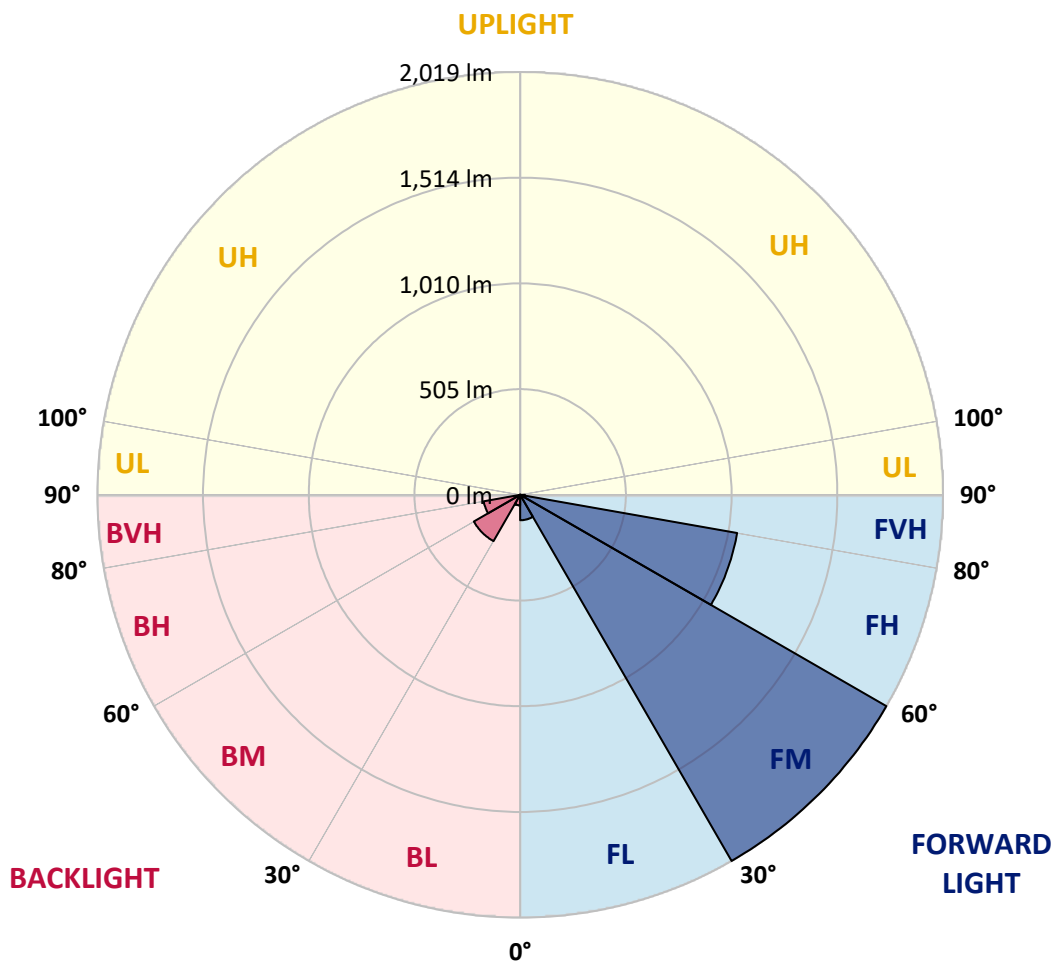
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.4	3.3			
FM (30°-60°)	2019.1	54.6			
FH (60°-80°)	1052.0	28.4			G1/1800
FVH (80°-90°)	22.8	0.6			G1/100
BL (0°-30°)	50.5	1.4	B0/110		
BM (30°-60°)	255.4	6.9	B1/1000		
BH (60°-80°)	176.9	4.8	B1/500		G1/500
BVH (80°-90°)	2.8	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	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°	0.5	0.5	0.5	1.6	1.6	1.6	1.6	1.1	1.1	1.1	1.1
5°	15.9	14.8	10.9	6.0	3.3	2.2	1.6	1.1	1.1	1.1	1.1
7.5°	110.6	110.0	110.0	111.1	111.7	40.0	3.8	1.6	1.6	1.1	1.1
10°	106.2	105.7	105.7	107.3	108.9	109.5	105.1	2.7	2.2	1.1	1.1
12.5°	198.2	194.9	124.3	108.9	106.2	107.3	107.8	93.1	43.2	66.8	82.7
15°	198.7	197.1	198.7	201.5	161.0	112.2	163.7	159.9	159.9	117.7	161.5
17.5°	200.9	198.7	199.8	203.7	197.6	232.1	219.0	226.6	226.6	167.5	178.5
20°	296.7	296.2	300.6	220.1	245.8	288.0	238.7	292.9	298.4	249.1	257.9
22.5°	302.7	302.2	309.3	308.2	301.6	309.3	349.3	320.8	322.5	376.6	340.5
25°	421.5	411.7	333.9	327.9	396.4	367.3	418.8	386.5	383.2	455.5	431.9
27.5°	482.3	477.9	482.9	468.1	419.9	450.6	453.3	497.6	475.2	521.7	532.1
30°	586.3	589.1	564.4	539.8	550.2	522.8	545.3	604.9	602.2	591.3	671.2
32.5°	936.1	907.7	859.5	669.0	626.8	607.1	669.5	736.9	709.5	750.0	829.9
35°	1238.9	1175.4	1095.5	959.7	778.5	725.9	802.0	868.3	851.3	932.9	927.9
37.5°	1743.6	1714.1	1575.6	1229.0	1048.4	905.5	942.2	958.0	977.8	1070.8	1068.6
40°	2042.0	2008.1	1910.1	1635.8	1323.2	1123.4	1107.5	1115.7	1122.3	1215.9	1222.5
42.5°	2292.7	2277.4	2182.2	1919.4	1663.7	1476.5	1328.1	1295.8	1307.9	1402.6	1390.0
45°	2463.0	2444.9	2359.0	2175.6	1963.7	1867.4	1584.3	1521.4	1524.7	1577.2	1567.4
47.5°	2500.2	2478.9	2440.6	2338.7	2267.0	2188.7	1905.1	1739.3	1776.5	1779.2	1745.8
50°	2367.7	2341.5	2373.8	2349.7	2459.2	2498.6	2229.8	1993.3	2057.3	1998.8	1906.2
52.5°	2039.8	2048.0	2147.7	2220.5	2466.3	2715.4	2578.5	2284.5	2327.8	2180.0	2057.9
55°	1619.9	1640.2	1805.0	1938.5	2298.8	2776.1	2830.9	2554.4	2571.4	2372.7	2180.5
57.5°	1192.9	1220.3	1422.8	1571.7	1974.1	2645.3	2954.6	2783.8	2817.2	2511.7	2265.9
60°	734.1	759.3	988.7	1215.3	1515.4	2269.2	2971.0	2955.7	2994.0	2609.7	2351.9
62.5°	447.3	468.6	568.8	844.2	1088.9	1715.2	2834.2	3087.6	3106.8	2708.8	2413.7
65°	275.4	271.5	312.0	513.0	726.5	1060.4	2488.2	3147.3	3145.1	2768.5	2455.3
67.5°	182.3	185.6	200.9	281.9	494.9	573.2	1784.2	3030.2	3019.2	2797.5	2438.9
70°	161.5	162.6	177.9	199.8	356.4	333.9	900.6	2608.6	2593.3	2719.2	2336.5
72.5°	126.5	130.3	155.5	181.2	257.3	244.7	339.4	1847.7	1867.4	2311.4	2056.2
75°	89.8	92.5	117.7	158.2	192.2	187.2	191.6	952.6	1010.6	1534.5	1506.6
77.5°	56.4	58.6	76.1	117.2	163.1	138.0	134.1	373.9	418.8	750.6	753.8
80°	38.9	39.4	47.1	78.8	117.2	113.3	90.9	149.5	151.1	272.1	261.1
82.5°	23.0	23.0	31.2	48.7	71.7	92.5	58.6	75.0	77.7	100.7	57.5
85°	8.2	8.8	17.0	27.9	40.0	48.7	35.0	41.1	42.7	52.0	27.4
87.5°	0.5	1.1	5.5	8.8	10.9	9.9	11.5	12.6	14.2	17.0	9.9
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.1	1.1	1.6	1.6	1.6	1.1	0.5	0.5	0.5	0.5	0.5
5°	1.1	1.1	1.6	1.6	1.6	1.1	0.5	0.5	0.5	0.5	0.5
7.5°	1.1	1.1	1.6	1.6	1.6	1.1	15.3	85.4	89.2	92.0	92.5
10°	3.3	2.2	1.6	1.6	1.6	88.7	92.0	89.8	88.1	86.5	87.0
12.5°	83.8	83.8	76.1	49.3	82.7	90.9	86.0	80.5	76.1	71.2	71.7
15°	161.0	159.9	141.2	121.5	139.1	89.2	73.9	98.0	83.8	73.9	72.3
17.5°	179.0	173.5	151.6	193.8	172.4	101.8	85.4	58.0	41.6	37.8	37.2
20°	257.9	250.7	221.2	234.9	157.7	117.7	51.5	32.8	29.6	35.6	36.7
22.5°	331.8	321.9	276.5	243.1	177.4	72.3	36.1	36.1	35.6	34.5	33.9
25°	426.5	408.9	370.6	254.6	140.7	47.6	39.4	32.3	29.0	26.8	26.8
27.5°	523.9	500.4	424.8	271.0	92.5	44.3	35.0	27.4	29.0	27.9	27.9
30°	666.3	634.0	494.9	253.5	60.2	41.1	29.6	26.8	23.5	22.4	21.9
32.5°	813.5	754.4	563.9	220.6	47.6	35.0	27.4	21.9	21.4	21.9	21.9
35°	907.7	852.4	638.3	160.4	41.6	30.7	22.4	20.3	18.6	18.1	18.1
37.5°	1020.5	952.0	644.9	104.0	36.1	25.2	19.2	17.0	17.0	17.5	17.5
40°	1155.7	1080.7	618.6	64.1	31.2	20.8	16.4	15.3	14.8	14.8	14.8
42.5°	1307.3	1212.6	581.9	48.2	26.3	17.5	13.7	13.1	12.6	12.6	12.6
45°	1469.4	1345.6	531.6	40.0	21.9	14.8	11.5	10.9	10.9	10.4	10.4
47.5°	1637.4	1488.0	455.5	35.0	18.1	12.0	9.9	9.3	8.8	8.8	8.8
50°	1781.4	1618.3	362.4	30.1	15.3	10.4	7.7	7.1	7.1	6.6	6.6
52.5°	1912.3	1728.9	287.4	25.7	12.6	8.2	6.0	5.5	5.5	4.9	4.9
55°	2013.0	1811.0	214.6	21.4	10.4	6.6	4.4	3.8	3.8	3.3	3.8
57.5°	2097.8	1861.3	162.6	17.5	8.8	4.9	3.3	2.7	2.2	2.2	2.2
60°	2178.3	1901.9	119.9	13.7	7.1	3.8	2.2	1.6	1.1	1.1	1.1
62.5°	2264.8	1938.0	94.7	10.9	6.0	2.7	1.1	1.1	0.0	0.0	0.0
65°	2330.0	1960.4	73.4	8.8	4.9	1.6	1.1	0.5	0.0	0.0	0.0
67.5°	2332.2	1932.0	57.5	7.1	4.4	1.6	0.5	0.0	0.0	0.0	0.0
70°	2248.4	1811.0	42.7	6.6	3.8	1.6	1.1	0.5	0.0	0.0	0.0
72.5°	1948.4	1421.7	30.7	5.5	3.3	1.6	1.1	0.5	0.5	0.0	0.0
75°	1409.1	840.3	21.4	4.9	3.3	1.6	1.6	1.1	1.1	1.1	0.0
77.5°	722.6	349.3	14.2	4.4	2.7	1.1	2.2	1.6	1.6	1.6	0.5
80°	211.9	120.4	8.8	3.8	2.7	1.1	2.2	2.2	2.2	2.2	0.5
82.5°	40.5	23.5	5.5	3.8	2.7	1.1	2.2	2.2	2.2	2.7	0.0
85°	15.9	9.3	3.8	3.3	2.7	1.1	2.2	2.2	2.7	2.7	0.0
87.5°	5.5	4.4	3.3	2.7	2.7	1.1	2.2	2.2	2.2	2.7	0.5
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)