

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: P415829

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415829
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-PA1-60-727-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 4612 lumens
Efficiency: N/A
Efficacy: 72.1 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

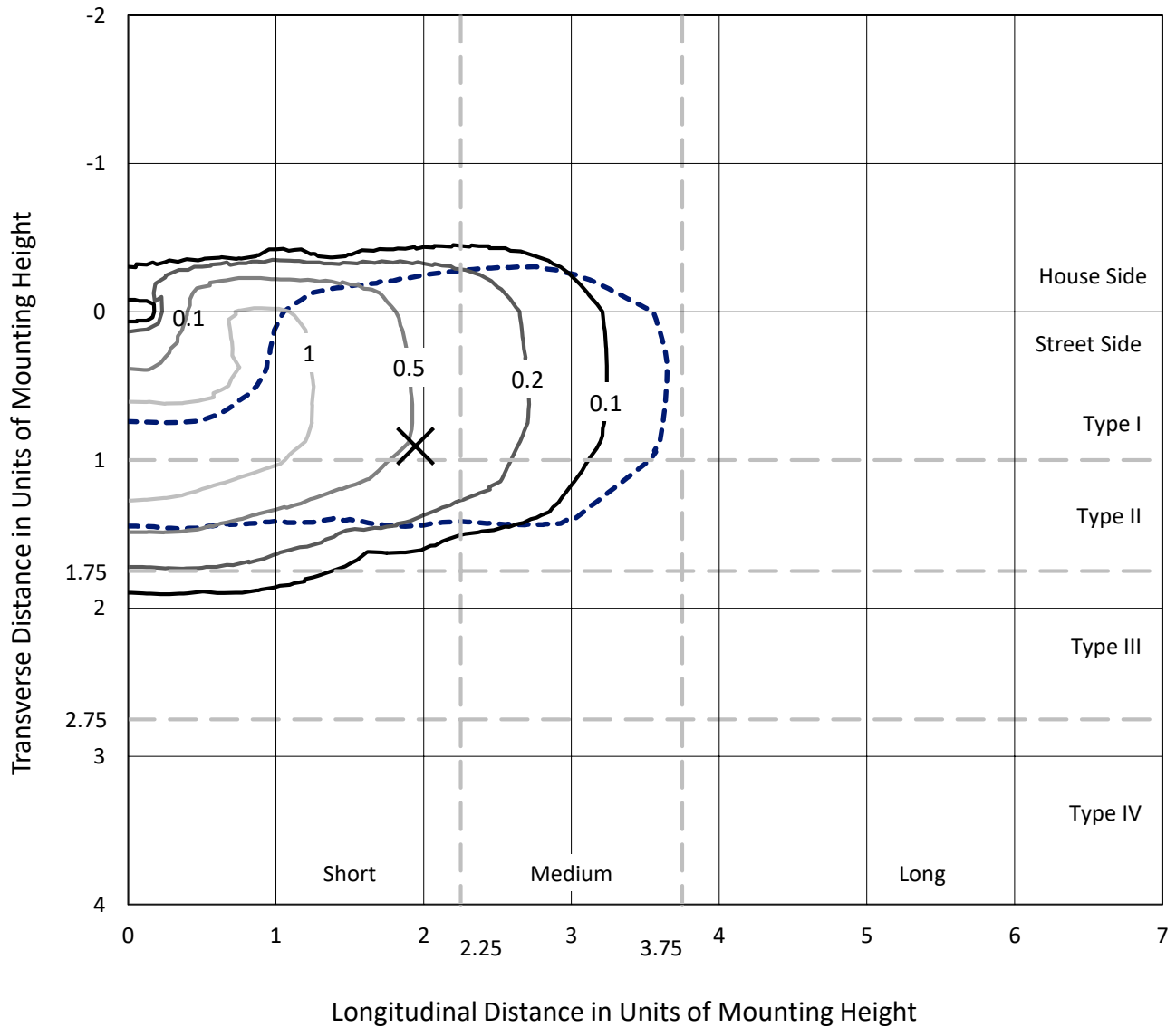
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

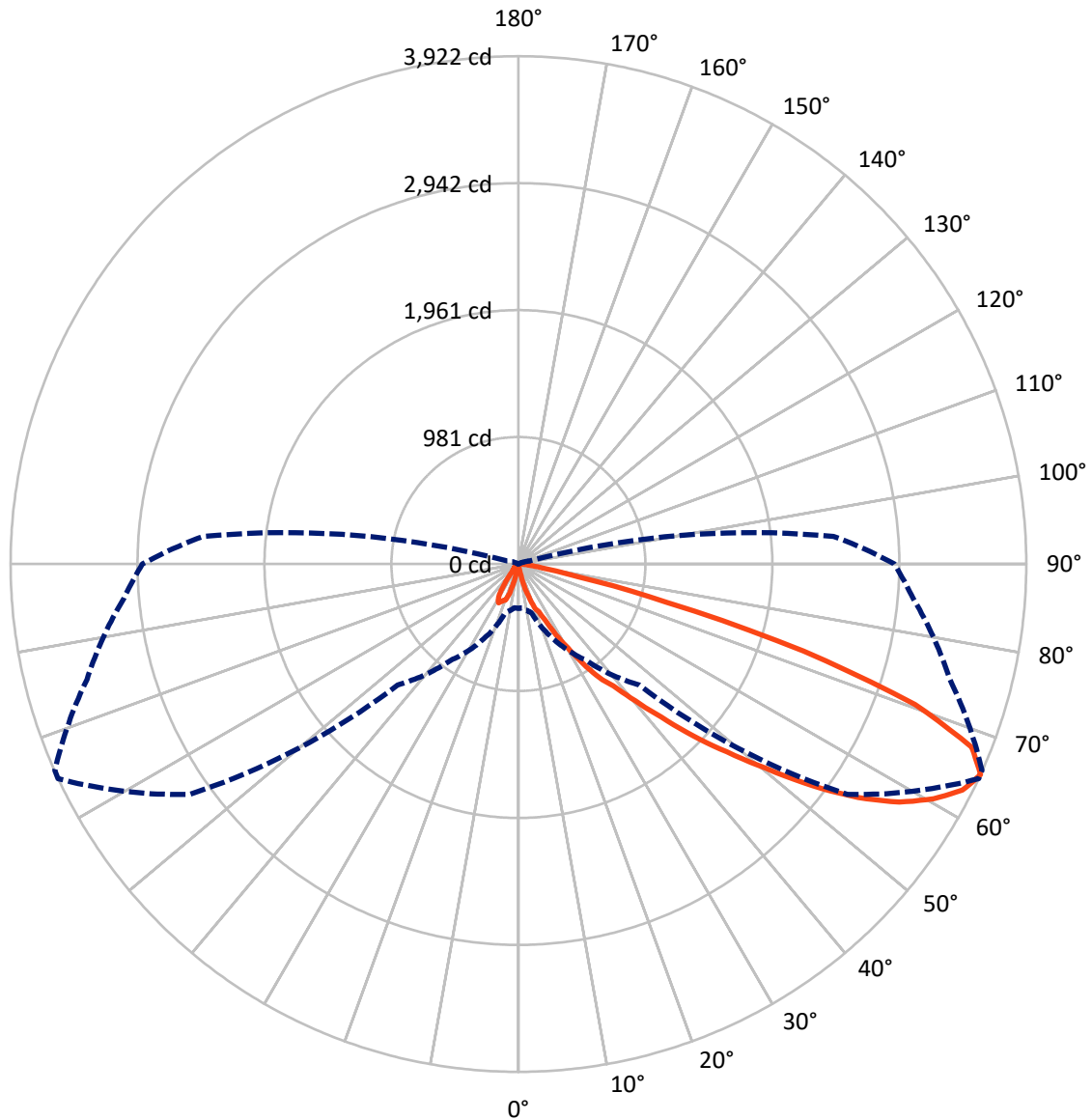
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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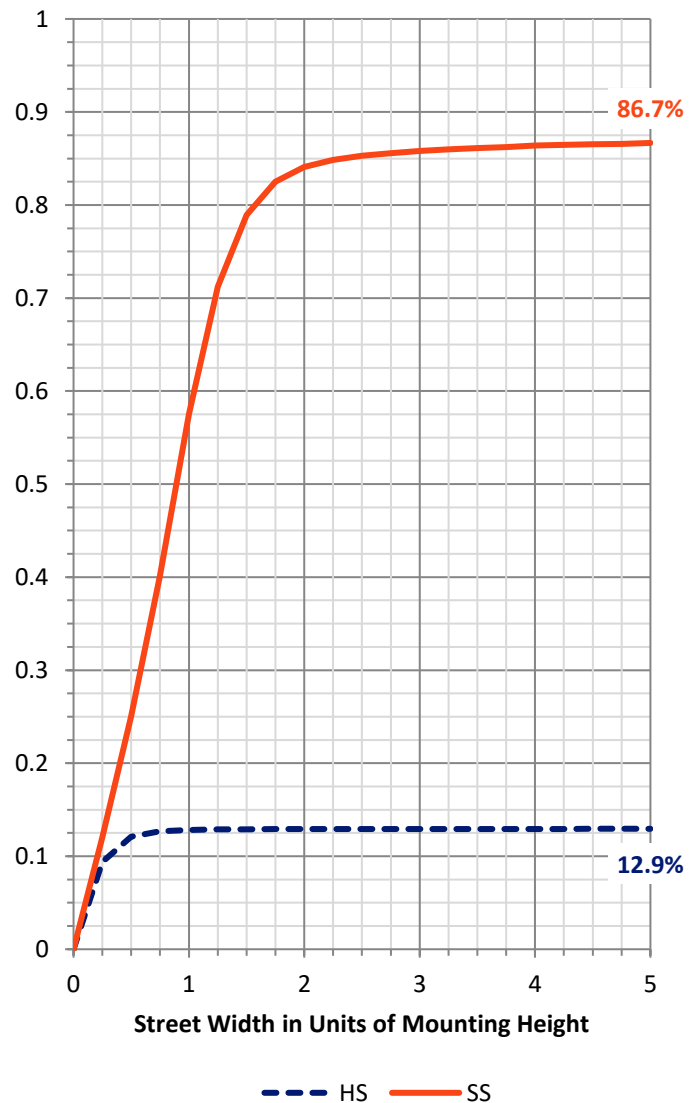
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	605.1	0.0	605.1
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	4006.8	0.0	4006.8
	% Fixture	86.9	0.0	86.9
Total	Lumens	4612.0	0.0	4612.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	47.9	1.0
20°-30°	162.7	3.5
30°-40°	457.6	9.9
40°-50°	1015.3	22.0
50°-60°	1361.4	29.5
60°-70°	1084.6	23.5
70°-80°	446.8	9.7
80°-90°	32.0	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°	4612.0	100.0
0°-180°	4612.0	100.0



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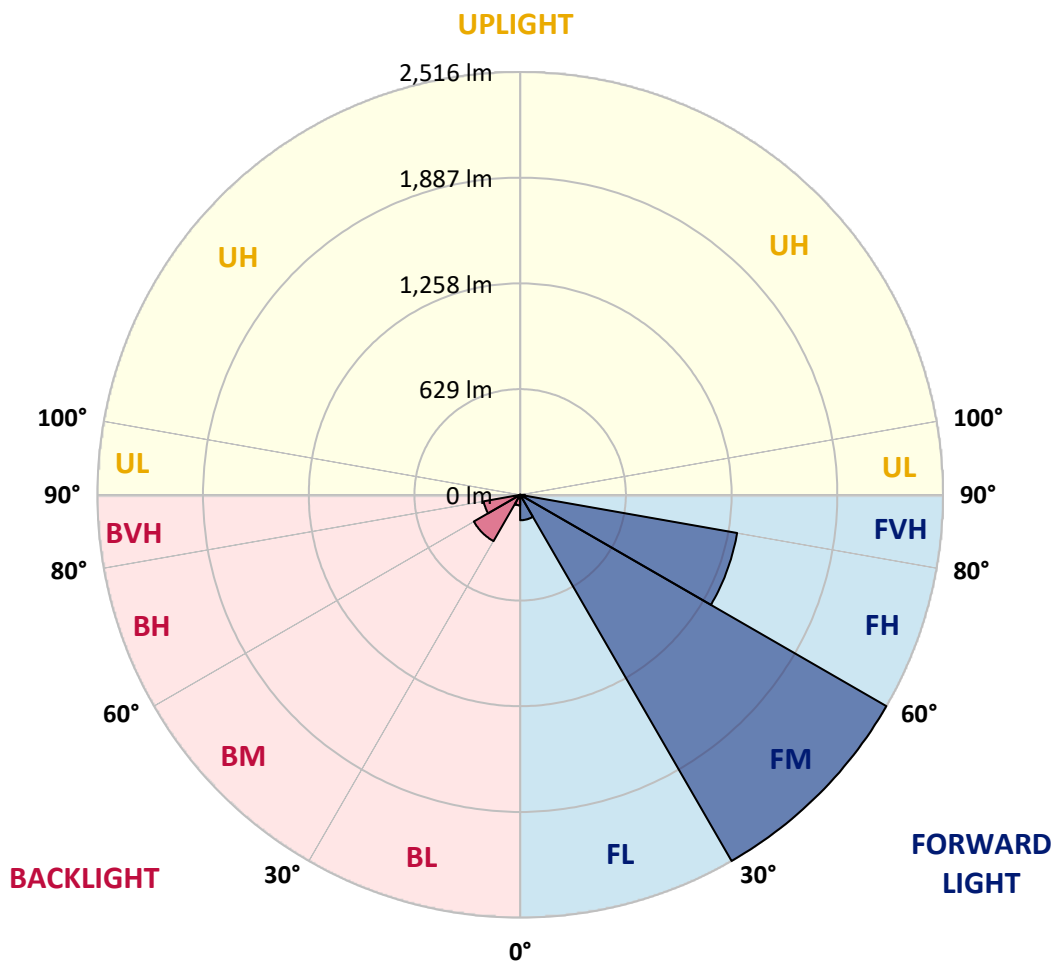
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.3	3.3			
FM (30°-60°)	2516.1	54.6			
FH (60°-80°)	1311.0	28.4			G1/1800
FVH (80°-90°)	28.5	0.6			G1/100
BL (0°-30°)	63.0	1.4	B0/110		
BM (30°-60°)	318.2	6.9	B1/1000		
BH (60°-80°)	220.4	4.8	B1/500		G1/500
BVH (80°-90°)	3.5	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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	0.7	0.7	0.7	2.0	2.0	2.0	2.0	1.4	1.4	1.4	1.4
5°	19.8	18.4	13.6	7.5	4.1	2.7	2.0	1.4	1.4	1.4	1.4
7.5°	137.8	137.1	137.1	138.5	139.2	49.8	4.8	2.0	2.0	1.4	1.4
10°	132.3	131.7	131.7	133.7	135.8	136.4	131.0	3.4	2.7	1.4	1.4
12.5°	247.0	242.9	154.9	135.8	132.3	133.7	134.4	116.0	53.9	83.2	103.0
15°	247.6	245.6	247.6	251.1	200.6	139.9	204.0	199.2	199.2	146.7	201.3
17.5°	250.4	247.6	249.0	253.8	246.3	289.3	272.9	282.4	282.4	208.8	222.4
20°	369.8	369.1	374.5	274.2	306.3	358.8	297.4	365.0	371.8	310.4	321.3
22.5°	377.3	376.6	385.4	384.1	375.9	385.4	435.3	399.8	401.8	469.4	424.3
25°	525.3	513.0	416.1	408.6	493.9	457.8	521.9	481.6	477.5	567.6	538.3
27.5°	601.0	595.6	601.7	583.3	523.3	561.5	564.9	620.1	592.2	650.1	663.1
30°	730.6	734.1	703.4	672.7	685.6	651.5	679.5	753.8	750.4	736.8	836.4
32.5°	1166.6	1131.1	1071.1	833.7	781.1	756.6	834.3	918.3	884.1	934.6	1034.2
35°	1543.8	1464.7	1365.1	1195.9	970.1	904.6	999.4	1082.0	1060.8	1162.5	1156.3
37.5°	2172.8	2136.0	1963.4	1531.6	1306.4	1128.4	1174.1	1193.9	1218.4	1334.4	1331.7
40°	2544.6	2502.3	2380.2	2038.4	1648.9	1399.9	1380.1	1390.3	1398.5	1515.2	1523.4
42.5°	2857.1	2838.0	2719.3	2391.8	2073.2	1839.9	1655.0	1614.8	1629.8	1747.8	1732.1
45°	3069.3	3046.8	2939.6	2711.1	2447.1	2327.0	1974.3	1895.9	1900.0	1965.4	1953.2
47.5°	3115.7	3089.0	3041.3	2914.4	2825.0	2727.5	2374.1	2167.4	2213.8	2217.2	2175.6
50°	2950.6	2917.8	2958.1	2928.0	3064.5	3113.6	2778.6	2483.9	2563.7	2490.8	2375.5
52.5°	2541.9	2552.1	2676.3	2767.0	3073.4	3383.8	3213.2	2846.9	2900.8	2716.6	2564.4
55°	2018.7	2043.9	2249.2	2415.7	2864.6	3459.5	3527.7	3183.2	3204.3	2956.7	2717.2
57.5°	1486.5	1520.6	1773.1	1958.6	2460.1	3296.4	3681.9	3469.0	3510.7	3130.0	2823.7
60°	914.8	946.2	1232.1	1514.5	1888.4	2827.8	3702.4	3683.3	3731.0	3252.1	2930.8
62.5°	557.4	584.0	708.8	1052.0	1356.9	2137.4	3531.8	3847.7	3871.5	3375.6	3007.9
65°	343.2	338.4	388.9	639.2	905.3	1321.4	3100.6	3922.0	3919.3	3449.9	3059.7
67.5°	227.2	231.3	250.4	351.3	616.7	714.3	2223.3	3776.0	3762.4	3486.1	3039.2
70°	201.3	202.6	221.7	249.0	444.1	416.1	1122.2	3250.7	3231.6	3388.5	2911.7
72.5°	157.6	162.4	193.7	225.8	320.6	304.9	423.0	2302.5	2327.0	2880.3	2562.4
75°	111.9	115.3	146.7	197.2	239.5	233.3	238.8	1187.0	1259.4	1912.2	1877.4
77.5°	70.3	73.0	94.8	146.0	203.3	171.9	167.1	465.9	521.9	935.3	939.4
80°	48.4	49.1	58.7	98.2	146.0	141.2	113.2	186.2	188.3	339.1	325.4
82.5°	28.7	28.7	38.9	60.7	89.4	115.3	73.0	93.5	96.9	125.5	71.6
85°	10.2	10.9	21.1	34.8	49.8	60.7	43.7	51.2	53.2	64.8	34.1
87.5°	0.7	1.4	6.8	10.9	13.6	12.3	14.3	15.7	17.7	21.1	12.3
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.4	1.4	2.0	2.0	2.0	1.4	0.7	0.7	0.7	0.7	0.7
5°	1.4	1.4	2.0	2.0	2.0	1.4	0.7	0.7	0.7	0.7	0.7
7.5°	1.4	1.4	2.0	2.0	2.0	1.4	19.1	106.4	111.2	114.6	115.3
10°	4.1	2.7	2.0	2.0	2.0	110.5	114.6	111.9	109.8	107.8	108.5
12.5°	104.4	104.4	94.8	61.4	103.0	113.2	107.1	100.3	94.8	88.7	89.4
15°	200.6	199.2	176.0	151.5	173.3	111.2	92.1	122.1	104.4	92.1	90.1
17.5°	223.1	216.3	189.0	241.5	214.9	126.9	106.4	72.3	51.8	47.1	46.4
20°	321.3	312.5	275.6	292.7	196.5	146.7	64.1	40.9	36.8	44.3	45.7
22.5°	413.4	401.1	344.5	302.9	221.0	90.1	45.0	45.0	44.3	43.0	42.3
25°	531.4	509.6	461.9	317.2	175.3	59.4	49.1	40.3	36.2	33.4	33.4
27.5°	652.9	623.5	529.4	337.7	115.3	55.3	43.7	34.1	36.2	34.8	34.8
30°	830.3	790.0	616.7	315.9	75.0	51.2	36.8	33.4	29.3	28.0	27.3
32.5°	1013.8	940.1	702.7	274.9	59.4	43.7	34.1	27.3	26.6	27.3	27.3
35°	1131.1	1062.2	795.5	199.9	51.8	38.2	28.0	25.2	23.2	22.5	22.5
37.5°	1271.6	1186.4	803.6	129.6	45.0	31.4	23.9	21.1	21.1	21.8	21.8
40°	1440.1	1346.7	770.9	79.8	38.9	25.9	20.5	19.1	18.4	18.4	18.4
42.5°	1629.1	1511.1	725.2	60.0	32.7	21.8	17.1	16.4	15.7	15.7	15.7
45°	1831.1	1676.9	662.4	49.8	27.3	18.4	14.3	13.6	13.6	13.0	13.0
47.5°	2040.5	1854.2	567.6	43.7	22.5	15.0	12.3	11.6	10.9	10.9	10.9
50°	2219.9	2016.6	451.6	37.5	19.1	13.0	9.6	8.9	8.9	8.2	8.2
52.5°	2383.0	2154.4	358.2	32.1	15.7	10.2	7.5	6.8	6.8	6.1	6.1
55°	2508.5	2256.8	267.4	26.6	13.0	8.2	5.5	4.8	4.8	4.1	4.8
57.5°	2614.2	2319.5	202.6	21.8	10.9	6.1	4.1	3.4	2.7	2.7	2.7
60°	2714.5	2370.0	149.4	17.1	8.9	4.8	2.7	2.0	1.4	1.4	1.4
62.5°	2822.3	2415.0	118.0	13.6	7.5	3.4	1.4	1.4	0.0	0.0	0.0
65°	2903.5	2443.0	91.4	10.9	6.1	2.0	1.4	0.7	0.0	0.0	0.0
67.5°	2906.2	2407.5	71.6	8.9	5.5	2.0	0.7	0.0	0.0	0.0	0.0
70°	2801.8	2256.8	53.2	8.2	4.8	2.0	1.4	0.7	0.0	0.0	0.0
72.5°	2428.0	1771.7	38.2	6.8	4.1	2.0	1.4	0.7	0.7	0.0	0.0
75°	1756.0	1047.2	26.6	6.1	4.1	2.0	2.0	1.4	1.4	1.4	0.0
77.5°	900.5	435.3	17.7	5.5	3.4	1.4	2.7	2.0	2.0	2.0	0.7
80°	264.0	150.1	10.9	4.8	3.4	1.4	2.7	2.7	2.7	2.7	0.7
82.5°	50.5	29.3	6.8	4.8	3.4	1.4	2.7	2.7	2.7	3.4	0.0
85°	19.8	11.6	4.8	4.1	3.4	1.4	2.7	2.7	3.4	3.4	0.0
87.5°	6.8	5.5	4.1	3.4	3.4	1.4	2.7	2.7	2.7	3.4	0.7
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)