

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: P416141

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416141
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-PA1-60-830-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 4382 lumens
Efficiency: N/A
Efficacy: 68.5 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

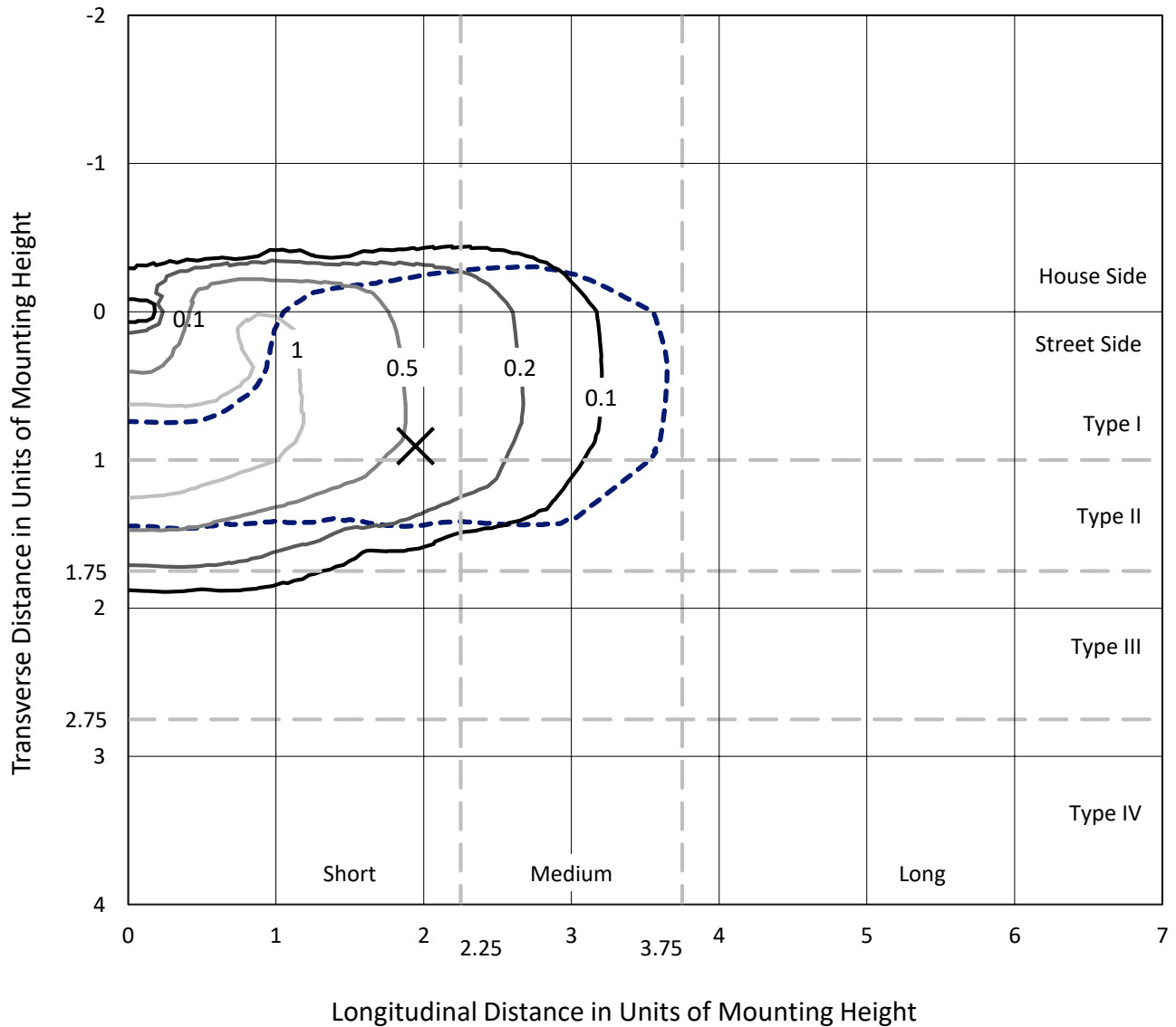
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

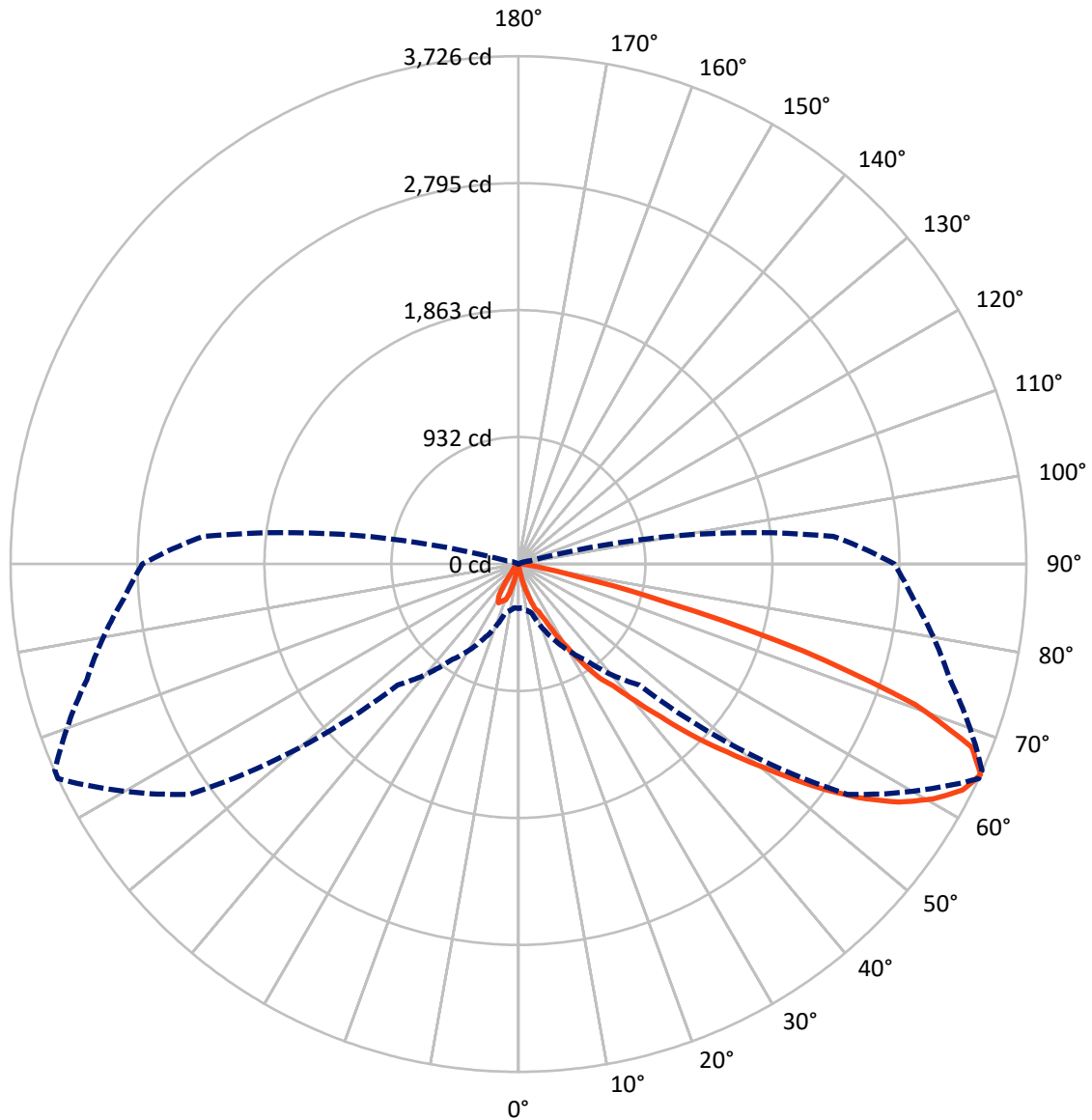
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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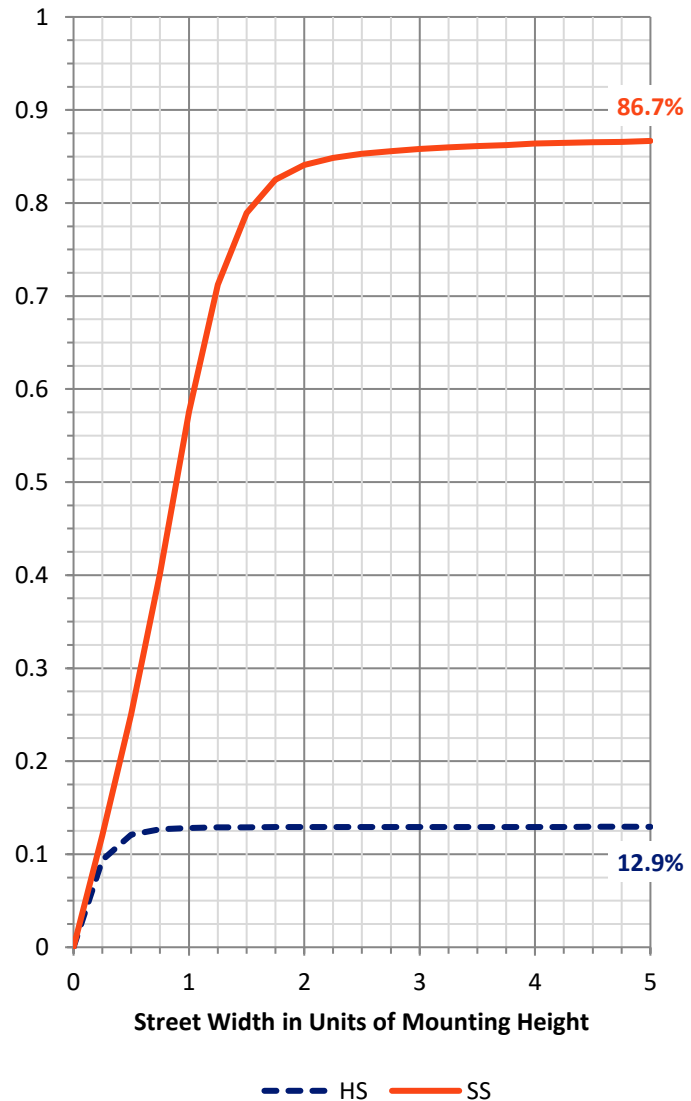
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	575.0	0.0	575.0
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	3807.0	0.0	3807.0
	% Fixture	86.9	0.0	86.9
Total	Lumens	4382.0	0.0	4382.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	45.5	1.0
20°-30°	154.6	3.5
30°-40°	434.8	9.9
40°-50°	964.7	22.0
50°-60°	1293.5	29.5
60°-70°	1030.5	23.5
70°-80°	424.5	9.7
80°-90°	30.4	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°	4382.0	100.0
0°-180°	4382.0	100.0



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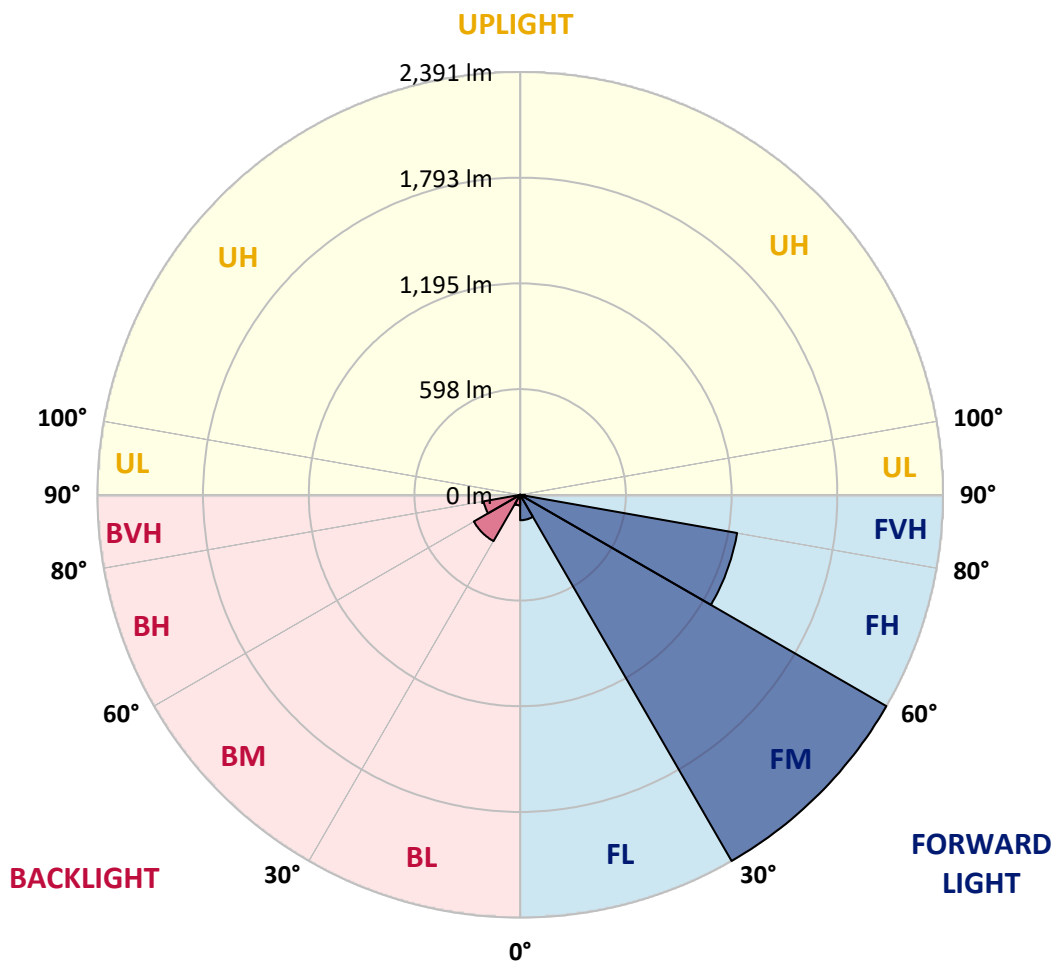
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.7	3.3			
FM (30°-60°)	2390.7	54.6			
FH (60°-80°)	1245.6	28.4			G1/1800
FVH (80°-90°)	27.0	0.6			G1/100
BL (0°-30°)	59.8	1.4	B0/110		
BM (30°-60°)	302.3	6.9	B1/1000		
BH (60°-80°)	209.4	4.8	B1/500		G1/500
BVH (80°-90°)	3.4	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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.6	0.6	0.6	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.3
5°	18.8	17.5	13.0	7.1	3.9	2.6	1.9	1.3	1.3	1.3	1.3
7.5°	130.9	130.3	130.3	131.6	132.2	47.3	4.5	1.9	1.9	1.3	1.3
10°	125.7	125.1	125.1	127.0	129.0	129.6	124.5	3.2	2.6	1.3	1.3
12.5°	234.6	230.8	147.1	129.0	125.7	127.0	127.7	110.2	51.2	79.1	97.9
15°	235.3	233.3	235.3	238.5	190.6	132.9	193.8	189.3	189.3	139.4	191.2
17.5°	237.9	235.3	236.6	241.1	234.0	274.8	259.3	268.4	268.4	198.3	211.3
20°	351.3	350.7	355.9	260.6	291.0	340.9	282.6	346.8	353.3	294.9	305.3
22.5°	358.4	357.8	366.2	364.9	357.2	366.2	413.5	379.8	381.8	446.0	403.2
25°	499.1	487.4	395.4	388.3	469.3	434.9	495.9	457.6	453.7	539.3	511.4
27.5°	571.1	565.9	571.7	554.2	497.2	533.5	536.7	589.2	562.6	617.7	630.0
30°	694.2	697.5	668.3	639.1	651.4	619.0	645.6	716.2	713.0	700.0	794.7
32.5°	1108.4	1074.7	1017.7	792.1	742.2	718.8	792.7	872.5	840.1	888.0	982.7
35°	1466.9	1391.7	1297.0	1136.3	921.7	859.5	949.6	1028.0	1007.9	1104.5	1098.7
37.5°	2064.5	2029.5	1865.5	1455.2	1241.3	1072.1	1115.5	1134.3	1157.7	1267.9	1265.3
40°	2417.7	2377.6	2261.5	1936.8	1566.7	1330.1	1311.3	1321.0	1328.8	1439.6	1447.4
42.5°	2714.6	2696.5	2583.7	2272.6	1969.8	1748.2	1572.5	1534.3	1548.5	1660.7	1645.8
45°	2916.2	2894.8	2793.0	2575.9	2325.1	2211.0	1875.9	1801.3	1805.2	1867.4	1855.8
47.5°	2960.3	2935.0	2889.6	2769.1	2684.2	2591.5	2255.7	2059.3	2103.4	2106.6	2067.1
50°	2803.4	2772.3	2810.5	2782.0	2911.7	2958.3	2640.1	2360.1	2435.9	2366.5	2257.0
52.5°	2415.2	2424.9	2542.8	2629.1	2920.1	3215.0	3053.0	2704.9	2756.1	2581.1	2436.5
55°	1918.0	1942.0	2137.1	2295.2	2721.7	3287.0	3351.8	3024.4	3044.5	2809.3	2581.7
57.5°	1412.4	1444.8	1684.6	1861.0	2337.4	3132.0	3498.3	3296.0	3335.6	2973.9	2682.9
60°	869.2	899.0	1170.6	1439.0	1794.2	2686.7	3517.7	3499.6	3544.9	3089.9	2784.6
62.5°	529.6	554.8	673.5	999.5	1289.2	2030.8	3355.7	3655.8	3678.5	3207.2	2857.9
65°	326.0	321.5	369.5	607.4	860.1	1255.5	2946.0	3726.4	3723.8	3277.9	2907.1
67.5°	215.8	219.7	237.9	333.8	586.0	678.7	2112.4	3587.7	3574.8	3312.2	2887.7
70°	191.2	192.5	210.7	236.6	422.0	395.4	1066.3	3088.6	3070.5	3219.6	2766.5
72.5°	149.7	154.3	184.1	214.6	304.6	289.7	401.9	2187.6	2211.0	2736.7	2434.6
75°	106.3	109.5	139.4	187.3	227.5	221.7	226.9	1127.8	1196.6	1816.9	1783.8
77.5°	66.8	69.4	90.1	138.7	193.2	163.3	158.8	442.7	495.9	888.7	892.6
80°	46.0	46.7	55.7	93.3	138.7	134.2	107.6	177.0	178.9	322.1	309.2
82.5°	27.2	27.2	36.9	57.7	84.9	109.5	69.4	88.8	92.0	119.3	68.1
85°	9.7	10.4	20.1	33.1	47.3	57.7	41.5	48.6	50.6	61.6	32.4
87.5°	0.6	1.3	6.5	10.4	13.0	11.7	13.6	14.9	16.9	20.1	11.7
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.3	1.3	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6
5°	1.3	1.3	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6
7.5°	1.3	1.3	1.9	1.9	1.9	1.3	18.1	101.1	105.7	108.9	109.5
10°	3.9	2.6	1.9	1.9	1.9	105.0	108.9	106.3	104.4	102.4	103.1
12.5°	99.2	99.2	90.1	58.3	97.9	107.6	101.8	95.3	90.1	84.3	84.9
15°	190.6	189.3	167.2	143.9	164.6	105.7	87.5	116.0	99.2	87.5	85.6
17.5°	212.0	205.5	179.5	229.5	204.2	120.6	101.1	68.7	49.3	44.7	44.1
20°	305.3	296.9	261.9	278.1	186.7	139.4	60.9	38.9	35.0	42.1	43.4
22.5°	392.8	381.1	327.3	287.8	210.0	85.6	42.8	42.8	42.1	40.8	40.2
25°	504.9	484.2	438.8	301.4	166.6	56.4	46.7	38.2	34.4	31.8	31.8
27.5°	620.3	592.4	503.0	320.9	109.5	52.5	41.5	32.4	34.4	33.1	33.1
30°	788.8	750.6	586.0	300.1	71.3	48.6	35.0	31.8	27.9	26.6	25.9
32.5°	963.2	893.2	667.6	261.2	56.4	41.5	32.4	25.9	25.3	25.9	25.9
35°	1074.7	1009.2	755.8	189.9	49.3	36.3	26.6	24.0	22.0	21.4	21.4
37.5°	1208.2	1127.2	763.6	123.2	42.8	29.8	22.7	20.1	20.1	20.7	20.7
40°	1368.3	1279.5	732.5	75.8	36.9	24.6	19.4	18.1	17.5	17.5	17.5
42.5°	1547.9	1435.7	689.0	57.0	31.1	20.7	16.2	15.6	14.9	14.9	14.9
45°	1739.7	1593.2	629.4	47.3	25.9	17.5	13.6	13.0	13.0	12.3	12.3
47.5°	1938.7	1761.8	539.3	41.5	21.4	14.3	11.7	11.0	10.4	10.4	10.4
50°	2109.2	1916.0	429.1	35.7	18.1	12.3	9.1	8.4	8.4	7.8	7.8
52.5°	2264.1	2047.0	340.3	30.5	14.9	9.7	7.1	6.5	6.5	5.8	5.8
55°	2383.4	2144.2	254.1	25.3	12.3	7.8	5.2	4.5	4.5	3.9	4.5
57.5°	2483.9	2203.8	192.5	20.7	10.4	5.8	3.9	3.2	2.6	2.6	2.6
60°	2579.1	2251.8	142.0	16.2	8.4	4.5	2.6	1.9	1.3	1.3	1.3
62.5°	2681.6	2294.6	112.1	13.0	7.1	3.2	1.3	1.3	0.0	0.0	0.0
65°	2758.7	2321.2	86.9	10.4	5.8	1.9	1.3	0.6	0.0	0.0	0.0
67.5°	2761.3	2287.5	68.1	8.4	5.2	1.9	0.6	0.0	0.0	0.0	0.0
70°	2662.1	2144.2	50.6	7.8	4.5	1.9	1.3	0.6	0.0	0.0	0.0
72.5°	2306.9	1683.3	36.3	6.5	3.9	1.9	1.3	0.6	0.6	0.0	0.0
75°	1668.4	995.0	25.3	5.8	3.9	1.9	1.9	1.3	1.3	1.3	0.0
77.5°	855.6	413.5	16.9	5.2	3.2	1.3	2.6	1.9	1.9	1.9	0.6
80°	250.8	142.6	10.4	4.5	3.2	1.3	2.6	2.6	2.6	2.6	0.6
82.5°	48.0	27.9	6.5	4.5	3.2	1.3	2.6	2.6	2.6	3.2	0.0
85°	18.8	11.0	4.5	3.9	3.2	1.3	2.6	2.6	3.2	3.2	0.0
87.5°	6.5	5.2	3.9	3.2	3.2	1.3	2.6	2.6	2.6	3.2	0.6
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)