

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: P417086

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-727-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6345 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 94
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

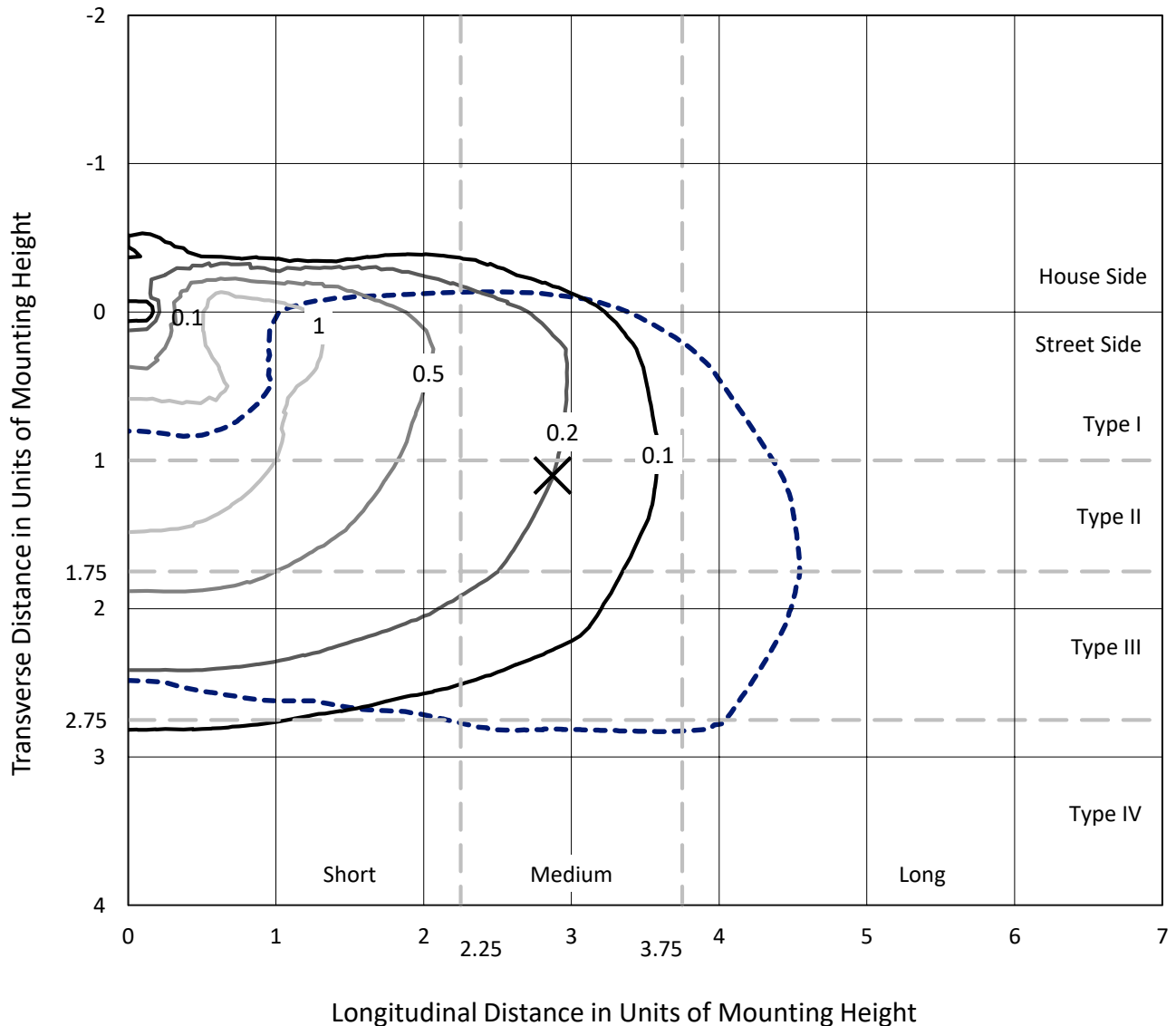


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

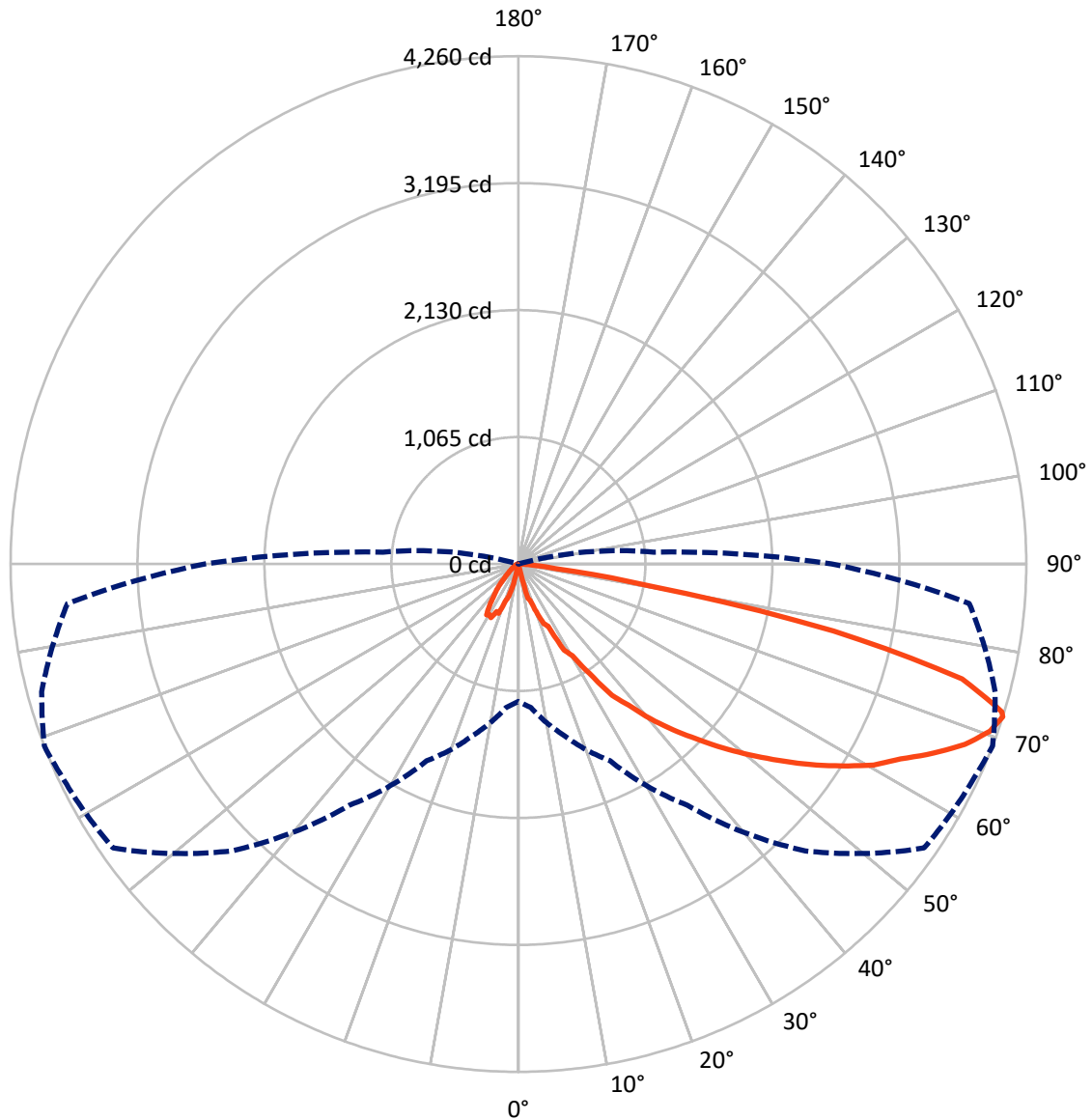


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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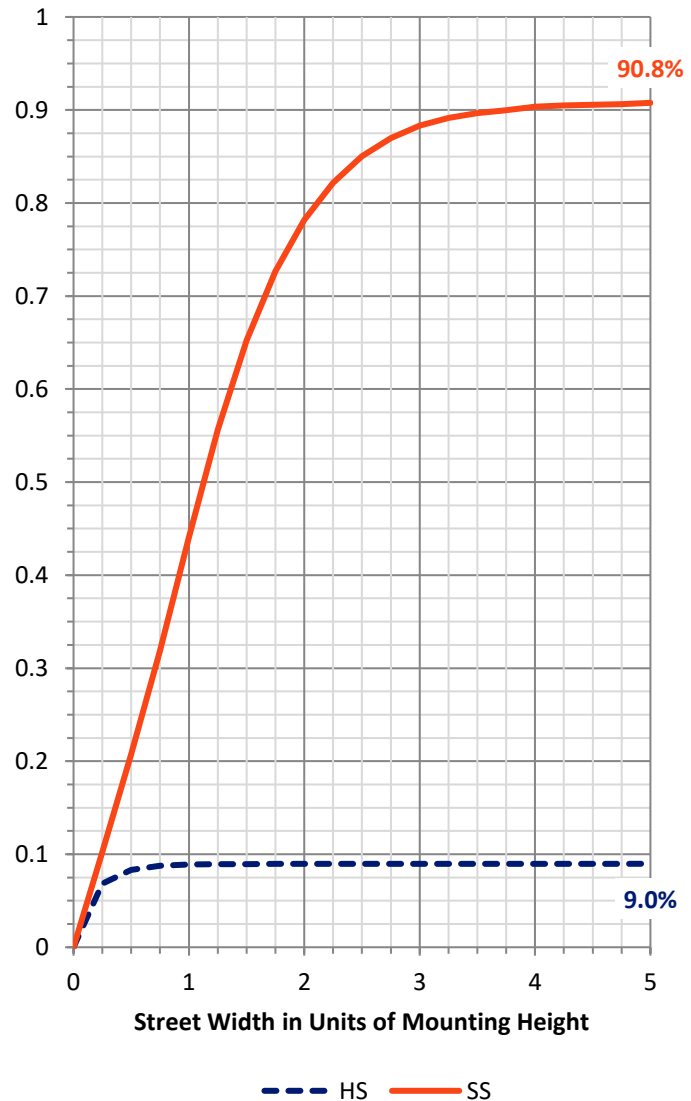
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	575.4	0.0	575.4
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	5769.6	0.0	5769.6
	% Fixture	90.9	0.0	90.9
Total	Lumens	6345.0	0.0	6345.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	55.1	0.9
20°-30°	197.6	3.1
30°-40°	504.7	8.0
40°-50°	998.8	15.7
50°-60°	1573.9	24.8
60°-70°	1830.7	28.9
70°-80°	1111.3	17.5
80°-90°	68.8	1.1
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°	6345.0	100.0
0°-180°	6345.0	100.0



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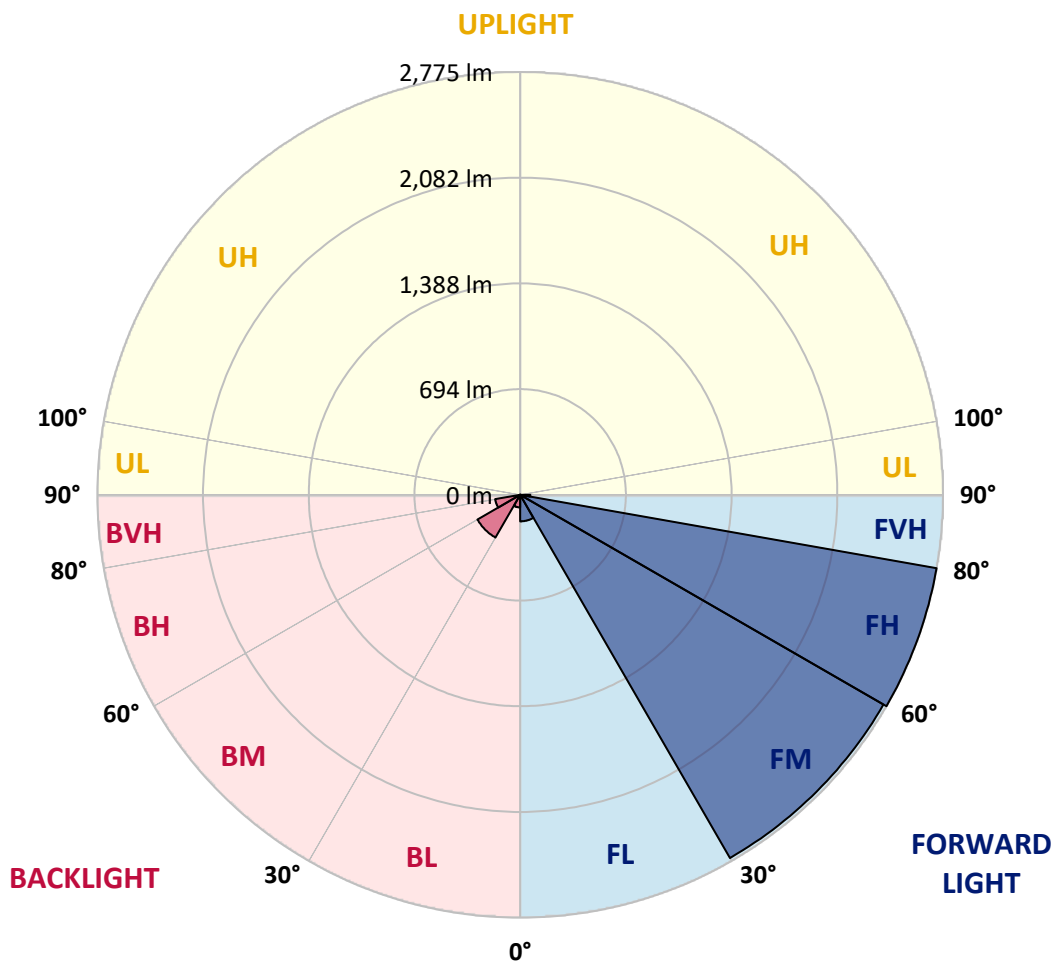
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	174.2	2.7			
FM	(30°-60°)	2753.5	43.4			
FH	(60°-80°)	2775.5	43.7			G2/5000
FVH	(80°-90°)	66.4	1.0			G1/100
BL	(0°-30°)	82.6	1.3	B0/110		
BM	(30°-60°)	323.9	5.1	B1/1000		
BH	(60°-80°)	166.5	2.6	B1/500		G1/500
BVH	(80°-90°)	2.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.9	0.9	0.9	0.9	1.8	1.8	2.7	2.7	2.7	2.7	2.7
5°	88.4	57.7	43.3	36.1	18.0	4.5	2.7	2.7	2.7	2.7	2.7
7.5°	136.1	136.1	137.1	138.0	140.7	118.1	25.2	2.7	2.7	2.7	2.7
10°	131.6	130.7	130.7	132.5	136.1	139.8	143.4	18.9	4.5	2.7	2.7
12.5°	257.0	254.3	236.2	165.0	135.2	137.1	144.3	110.0	30.7	18.0	103.7
15°	254.3	253.4	255.2	259.7	261.5	146.1	213.7	290.3	296.6	200.2	242.5
17.5°	277.7	269.6	257.0	258.8	266.9	313.8	302.1	314.7	321.0	224.5	262.4
20°	384.1	383.2	385.0	302.1	282.2	397.6	349.8	341.7	424.7	444.5	493.2
22.5°	392.2	390.4	393.1	402.1	451.7	415.7	506.7	518.4	542.8	600.5	563.5
25°	549.1	549.1	450.8	420.2	514.8	469.8	627.5	589.7	577.1	644.7	724.9
27.5°	662.7	655.5	632.1	587.0	535.6	664.5	668.1	806.1	817.8	899.8	915.2
30°	839.4	829.5	767.3	732.1	664.5	698.8	779.9	958.5	893.5	959.4	1026.1
32.5°	1242.5	1228.0	1149.6	922.4	837.6	757.4	935.0	1028.8	1092.8	1271.3	1344.4
35°	1609.4	1515.7	1408.4	1235.3	1015.3	984.6	1008.9	1275.8	1351.6	1406.6	1480.5
37.5°	1979.1	1980.9	1873.6	1453.5	1283.0	1137.0	1216.3	1425.5	1502.1	1583.3	1650.0
40°	2275.8	2230.7	2087.3	1778.9	1513.9	1367.8	1377.7	1571.6	1707.7	1809.6	1823.1
42.5°	2654.4	2635.5	2424.5	2076.5	1812.3	1669.9	1626.6	1722.1	1902.5	1970.1	2011.6
45°	3016.9	2989.0	2809.5	2415.5	2131.5	1971.9	1912.4	1913.3	2090.9	2163.1	2222.6
47.5°	3288.3	3243.2	3146.7	2727.5	2532.7	2301.9	2178.4	2131.5	2304.6	2398.4	2431.7
50°	3572.3	3498.4	3421.8	3080.0	2879.0	2678.8	2442.6	2390.3	2515.6	2620.2	2647.2
52.5°	3762.6	3655.3	3602.1	3331.6	3189.1	3062.0	2706.7	2648.1	2737.4	2860.9	2839.3
55°	3666.1	3632.7	3690.4	3548.9	3410.9	3270.3	2994.4	2946.6	2970.0	3073.7	3022.3
57.5°	3465.0	3474.9	3645.4	3672.4	3610.2	3477.7	3252.2	3244.1	3196.3	3281.1	3214.4
60°	3254.9	3291.9	3529.0	3664.3	3709.4	3665.2	3524.5	3465.0	3422.7	3482.2	3429.9
62.5°	2973.6	2980.8	3299.1	3592.2	3671.5	3811.3	3714.8	3685.9	3598.5	3686.8	3665.2
65°	2620.2	2629.2	2928.5	3344.2	3557.9	3839.2	3863.6	3894.2	3826.6	3850.9	3919.5
67.5°	2225.3	2242.4	2503.9	2905.1	3313.6	3784.2	3987.1	4045.7	4040.3	4033.1	4100.7
70°	1801.5	1813.2	2026.0	2377.6	2918.6	3632.7	4101.6	4176.4	4197.2	4146.7	4098.9
72°	1152.3	1209.1	1490.4	1822.2	2470.5	3402.8	4153.0	4224.2	4260.3	4139.5	3796.8
72.5°	905.3	950.3	1376.8	1669.9	2317.2	3349.6	4143.1	4208.0	4241.3	4099.8	3668.8
75°	194.8	200.2	431.0	811.5	1461.6	2566.1	3799.5	3807.7	3843.7	3572.3	2512.0
77.5°	83.9	84.8	119.9	267.8	524.8	1311.9	2630.1	2704.9	2702.2	2311.8	1214.5
80°	58.6	60.4	71.2	122.6	249.8	379.6	1284.8	1293.0	1112.6	826.8	303.0
82.5°	30.7	32.5	50.5	73.0	169.5	138.9	415.7	419.3	309.3	194.8	70.3
85°	5.4	8.1	24.3	44.2	65.8	55.9	91.1	114.5	99.2	77.5	29.8
87.5°	0.9	0.9	6.3	6.3	9.0	5.4	9.0	9.9	10.8	16.2	8.1
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0
5°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	83.0	111.8	119.0	127.1
10°	2.7	3.6	2.7	2.7	1.8	113.6	139.8	141.6	143.4	143.4	142.5
12.5°	114.5	117.2	41.5	8.1	105.5	144.3	137.1	125.3	114.5	110.9	110.0
15°	245.2	246.1	222.7	192.1	204.7	136.1	107.3	121.7	123.5	119.0	119.0
17.5°	264.2	264.2	252.5	308.4	258.8	136.1	112.7	92.9	79.3	75.7	74.8
20°	523.0	458.0	370.6	312.9	211.0	152.4	79.3	67.6	65.8	65.8	68.5
22.5°	564.4	556.3	482.4	422.0	181.2	107.3	77.5	77.5	92.0	90.2	89.3
25°	736.6	725.8	546.4	367.0	181.2	92.0	98.3	86.6	84.8	83.0	81.1
27.5°	931.4	908.9	768.2	331.8	128.0	96.5	93.8	82.0	97.4	97.4	96.5
30°	1060.3	975.6	773.6	297.5	108.2	102.8	88.4	95.6	86.6	81.1	81.1
32.5°	1374.1	1335.3	945.8	210.1	102.8	92.9	92.9	82.0	73.0	75.7	74.8
35°	1473.3	1422.8	842.1	157.8	94.7	85.7	77.5	72.1	62.2	55.9	55.0
37.5°	1595.9	1530.1	706.9	121.7	92.9	75.7	64.0	55.0	47.8	47.8	46.9
40°	1746.5	1646.4	578.0	103.7	82.0	64.9	49.6	42.4	37.9	35.2	34.3
42.5°	1911.5	1756.4	444.5	93.8	71.2	53.2	37.0	30.7	28.0	27.0	27.0
45°	2085.5	1858.3	319.2	85.7	62.2	41.5	27.0	21.6	20.7	20.7	20.7
47.5°	2263.1	1932.2	217.3	77.5	52.3	30.7	19.8	16.2	16.2	15.3	15.3
50°	2437.2	1982.7	149.7	69.4	42.4	21.6	14.4	13.5	13.5	12.6	12.6
52.5°	2563.4	1971.0	111.8	60.4	33.4	16.2	11.7	10.8	10.8	10.8	10.8
55°	2686.0	1944.9	92.0	51.4	25.2	11.7	9.0	8.1	8.1	8.1	8.1
57.5°	2812.2	1909.7	79.3	41.5	18.0	9.0	6.3	6.3	6.3	6.3	6.3
60°	2916.8	1841.2	68.5	33.4	12.6	6.3	5.4	4.5	4.5	4.5	4.5
62.5°	3033.1	1771.7	58.6	25.2	9.0	4.5	3.6	2.7	2.7	1.8	2.7
65°	3116.1	1687.0	47.8	18.0	6.3	3.6	2.7	1.8	0.9	0.0	0.9
67.5°	3114.3	1574.3	34.3	11.7	4.5	2.7	1.8	0.9	0.0	0.0	0.0
70°	2978.1	1412.9	23.4	8.1	3.6	1.8	1.8	0.9	0.0	0.0	0.0
72°	2628.3	1139.7	18.0	7.2	3.6	1.8	1.8	0.9	0.0	0.0	0.0
72.5°	2505.7	1045.9	16.2	6.3	3.6	1.8	1.8	0.9	0.0	0.0	0.0
75°	1591.4	435.5	12.6	5.4	3.6	1.8	1.8	0.9	0.9	0.9	0.0
77.5°	739.4	159.6	9.0	4.5	2.7	1.8	1.8	0.9	0.9	1.8	0.0
80°	161.4	46.9	6.3	4.5	2.7	1.8	1.8	1.8	1.8	2.7	0.0
82.5°	37.0	15.3	5.4	3.6	2.7	1.8	1.8	1.8	1.8	2.7	0.0
85°	13.5	9.0	5.4	4.5	3.6	1.8	1.8	2.7	2.7	3.6	0.0
87.5°	5.4	5.4	4.5	4.5	3.6	1.8	2.7	2.7	3.6	3.6	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)