

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: P416643

Luminaire Tested: **LXF.LXT-PA1-80-727-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-727-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6442 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 83
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

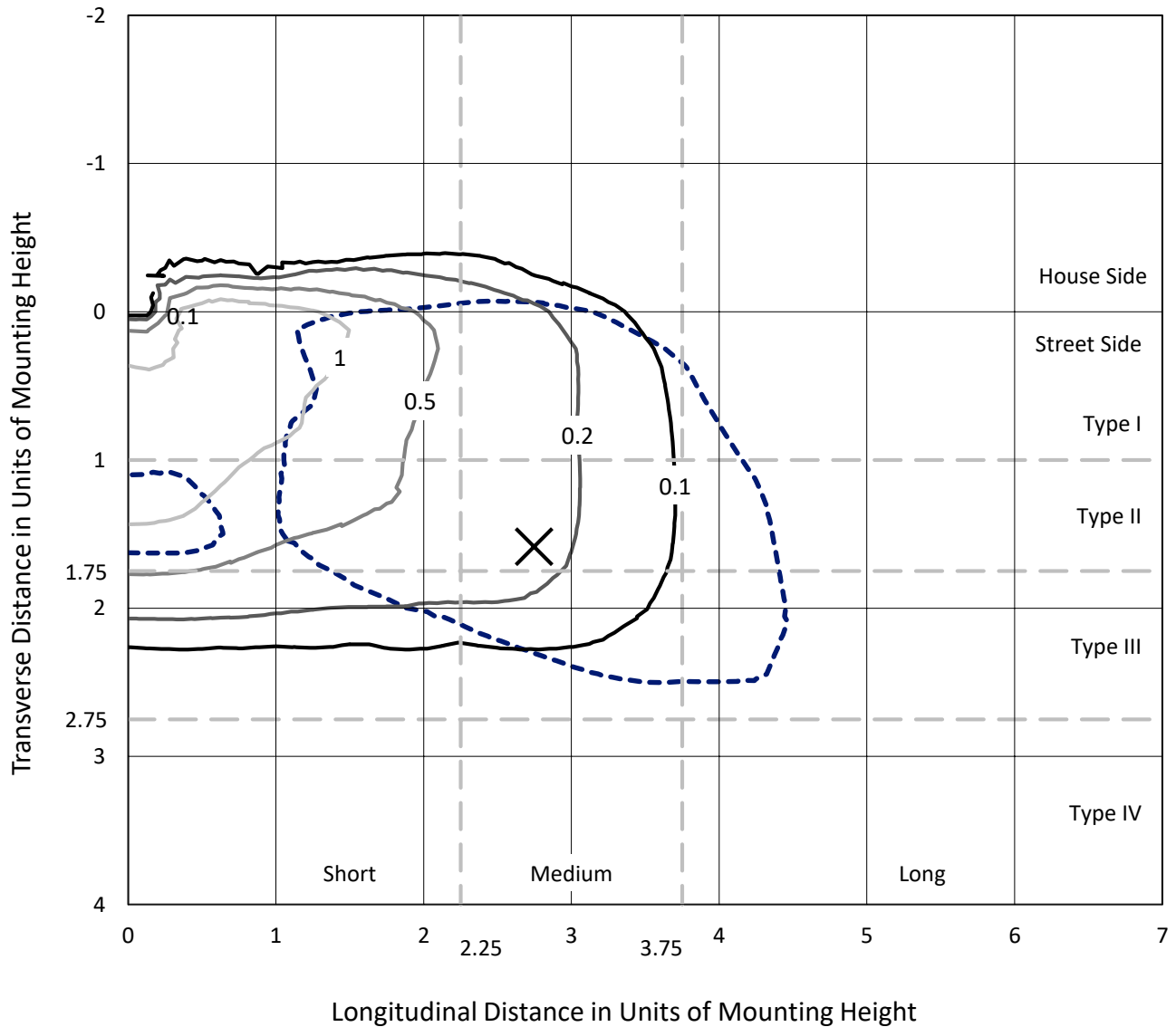


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Iso-Footcandle Lines of Horizontal Illumination

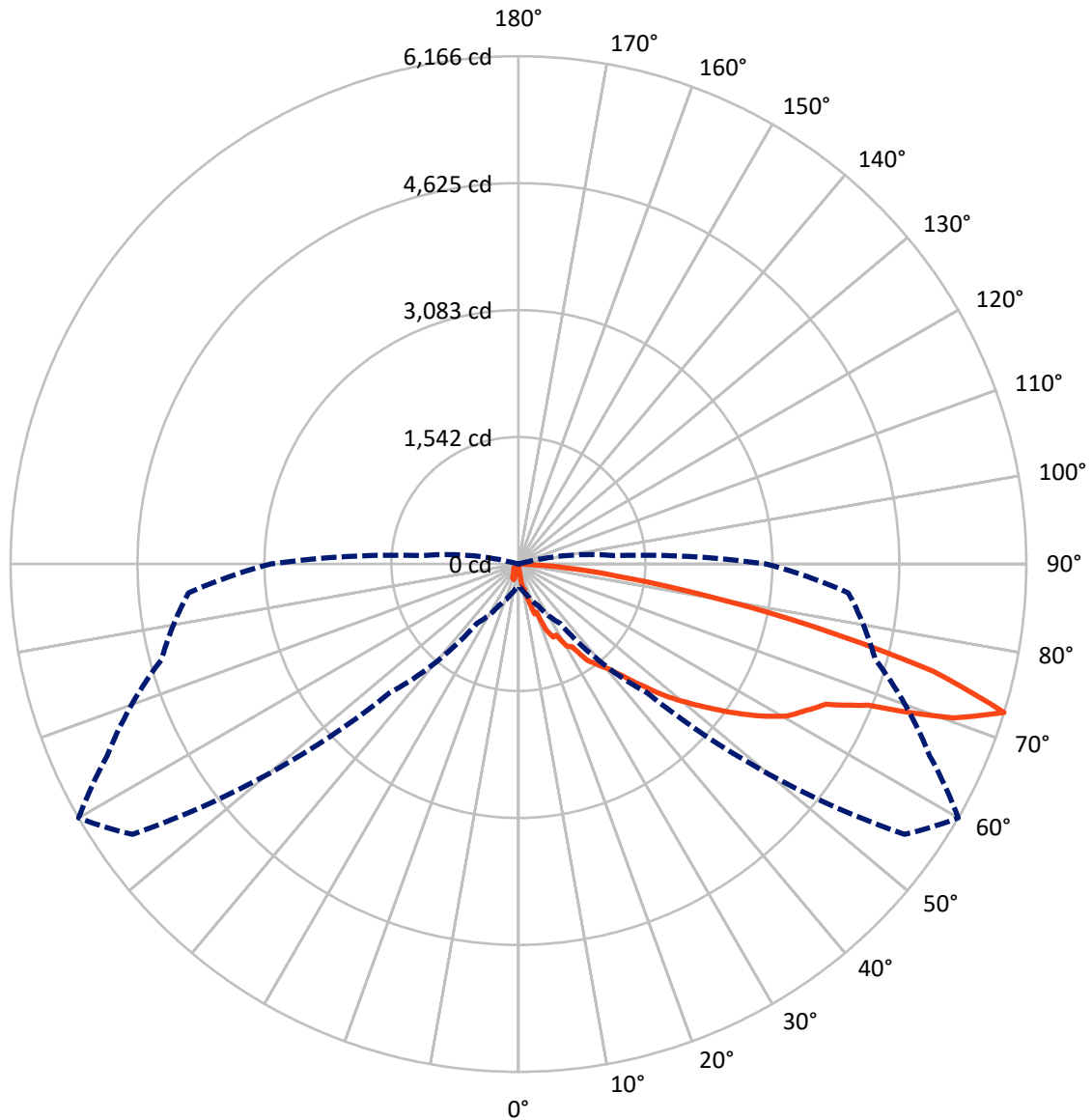
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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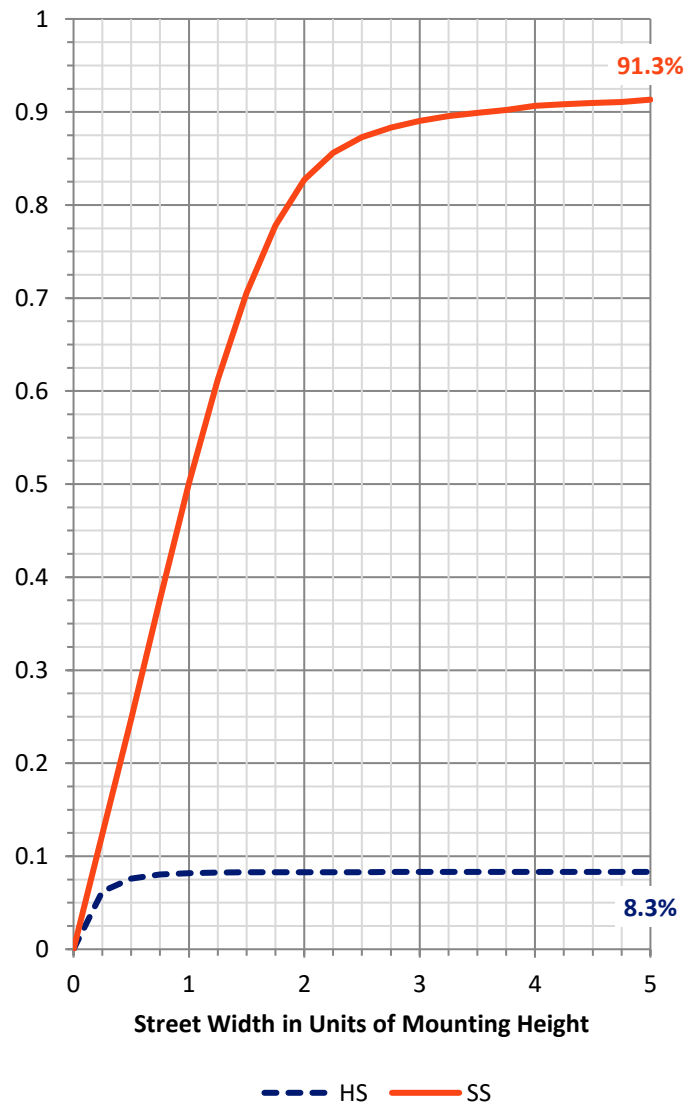
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	540.3	0.0	540.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5901.7	0.0	5901.7
	% Fixture	91.6	0.0	91.6
Total	Lumens	6442.0	0.0	6442.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.1
10°-20°	89.7	1.4
20°-30°	280.6	4.4
30°-40°	604.9	9.4
40°-50°	1028.5	16.0
50°-60°	1520.5	23.6
60°-70°	1654.0	25.7
70°-80°	1127.2	17.5
80°-90°	127.9	2.0
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°	6442.0	100.0
0°-180°	6442.0	100.0



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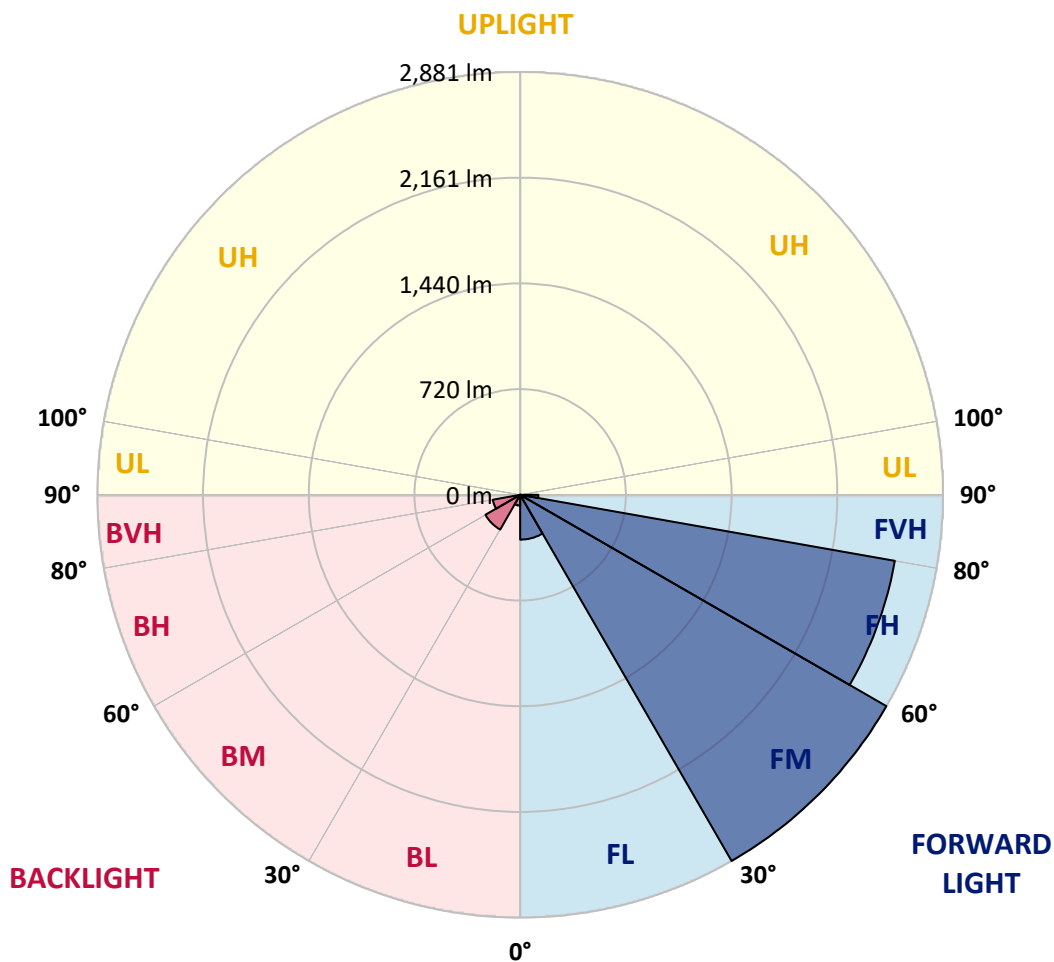
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	305.1	4.7			
FM	(30°-60°)	2880.7	44.7			
FH	(60°-80°)	2591.9	40.2			G2/5000
FVH	(80°-90°)	124.0	1.9			G2/225
BL	(0°-30°)	73.9	1.1	B0/110		
BM	(30°-60°)	273.2	4.2	B1/1000		
BH	(60°-80°)	189.3	2.9	B1/500		G1/500
BVH	(80°-90°)	3.9	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	5.9	4.2	4.2	3.3	2.5	2.5	2.5	3.3	3.3	2.5	3.3
5°	329.5	325.3	325.3	327.0	212.4	36.0	20.1	8.4	3.3	3.3	3.3
7.5°	312.8	309.4	311.1	315.3	317.8	322.0	322.0	98.7	31.8	3.3	3.3
10°	320.3	317.8	304.4	301.9	306.9	311.1	312.8	320.3	311.1	9.2	3.3
12.5°	563.7	559.5	559.5	567.0	329.5	301.1	304.4	312.0	269.3	35.1	19.2
15°	539.4	536.1	536.9	546.1	558.7	396.4	312.8	463.3	594.6	536.9	426.5
17.5°	752.7	648.2	560.3	533.6	536.1	553.7	606.3	637.3	604.7	611.4	465.0
20°	768.6	762.7	759.4	765.2	548.6	730.1	771.1	625.6	608.8	654.8	858.1
22.5°	795.4	782.0	755.2	751.9	844.7	719.2	746.8	874.8	898.2	959.3	893.2
25°	1077.2	1067.2	1039.6	791.2	866.4	826.3	941.7	984.4	970.1	1010.3	968.5
27.5°	1183.4	1164.2	1104.8	1027.0	920.0	974.3	952.6	976.0	1071.3	1391.7	1365.7
30°	1658.4	1607.4	1443.5	1182.6	1093.9	1014.5	1108.1	1157.5	1237.8	1424.3	1400.0
32.5°	1802.3	1747.9	1629.2	1505.4	1296.3	1150.0	1219.4	1197.6	1255.3	1737.9	1838.3
35°	2221.3	2196.2	1982.1	1638.4	1584.8	1356.5	1280.4	1430.1	1515.4	1762.2	1931.9
37.5°	2226.3	2228.0	2215.4	1982.9	1737.9	1524.6	1538.9	1544.7	1610.8	1877.6	2040.6
40°	2297.4	2309.1	2340.1	2164.4	1957.9	1768.0	1730.4	1671.8	1730.4	2007.2	2189.5
42.5°	2446.3	2454.6	2523.2	2340.1	2131.8	1957.9	1977.1	1857.5	1900.1	2252.2	2391.9
45°	2708.0	2703.0	2789.2	2524.9	2294.1	2174.5	2196.2	2104.2	2078.3	2453.0	2629.4
47.5°	3004.1	3022.5	3019.2	2729.0	2455.5	2376.0	2438.7	2389.4	2287.4	2708.9	2906.3
50°	3284.3	3278.4	3191.4	2844.4	2599.3	2573.4	2718.1	2637.0	2544.1	2969.0	3173.0
52.5°	3386.3	3391.3	3287.6	2913.8	2722.3	2769.1	2985.7	2903.7	2783.3	3154.6	3438.2
55°	3367.9	3374.6	3316.1	2984.9	2814.3	2952.3	3263.4	3193.1	3057.6	3356.2	3637.2
57.5°	3195.6	3195.6	3243.3	3029.2	2903.7	3116.2	3510.9	3482.5	3315.2	3523.5	3756.0
60°	2755.7	2802.5	2952.3	2975.7	3009.1	3293.5	3756.0	3746.8	3543.5	3679.9	3826.2
62.5°	2119.3	2134.3	2465.5	2716.4	3017.5	3531.8	3962.5	3918.2	3712.5	3727.5	3875.6
65°	1201.8	1270.4	1576.5	2210.4	2846.0	3781.1	4294.6	4104.7	3860.5	3784.4	4057.0
67.5°	647.3	672.4	843.0	1338.1	2332.5	3808.7	5047.3	4578.1	4211.8	4083.8	4412.5
70°	418.2	444.9	536.9	735.1	1462.7	3367.9	5755.6	5597.6	4936.9	4493.6	4466.8
72.5°	271.8	287.7	387.2	553.7	879.8	2218.8	5723.0	6166.3	5509.8	4486.1	4021.1
75°	110.4	121.3	194.0	460.8	743.5	1087.2	4390.7	5199.5	5172.7	3986.8	3112.0
77.5°	55.2	58.5	86.1	249.2	659.9	752.7	2778.3	3667.3	3682.4	2906.3	1730.4
80°	36.0	35.1	49.3	117.1	449.9	685.0	1553.9	2253.1	2106.7	1102.3	485.1
82.5°	14.2	15.1	26.8	66.9	188.2	619.7	886.5	1212.7	948.4	214.9	139.7
85°	2.5	2.5	8.4	36.0	59.4	283.5	572.1	587.1	389.7	67.7	70.3
87.5°	0.8	0.8	1.7	2.5	4.2	6.7	25.1	11.7	7.5	11.7	13.4
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	3.3	3.3	3.3	2.5	2.5	1.7	0.0	0.0	0.8	0.8	0.8
5°	3.3	3.3	3.3	2.5	2.5	0.8	0.0	0.0	0.8	0.8	0.8
7.5°	3.3	3.3	3.3	2.5	1.7	0.8	0.0	0.0	0.8	0.8	0.8
10°	3.3	3.3	3.3	2.5	1.7	0.8	24.3	154.7	159.7	160.6	158.9
12.5°	20.9	21.7	11.7	2.5	1.7	143.8	143.0	119.6	104.5	98.7	91.2
15°	454.1	431.5	357.1	210.8	116.3	117.9	87.0	64.4	51.9	48.5	46.8
17.5°	449.9	417.3	328.7	192.4	202.4	88.7	46.8	51.9	67.7	68.6	68.6
20°	845.5	741.8	321.2	214.9	136.3	76.9	61.1	64.4	64.4	65.2	64.4
22.5°	881.5	777.8	480.9	274.3	97.9	81.1	69.4	60.2	61.9	80.3	77.8
25°	889.0	762.7	445.8	214.9	94.5	81.1	76.1	73.6	82.8	82.8	83.6
27.5°	1281.3	1072.2	540.3	161.4	93.7	84.5	84.5	76.9	74.4	73.6	74.4
30°	1278.8	1035.4	460.8	136.3	90.3	83.6	76.1	68.6	82.8	83.6	83.6
32.5°	1678.5	1323.9	445.8	110.4	90.3	76.9	66.9	71.1	66.1	66.1	66.1
35°	1701.9	1290.5	351.3	114.6	80.3	70.3	65.2	55.2	58.5	59.4	57.7
37.5°	1747.1	1267.0	266.8	103.7	80.3	65.2	53.5	49.3	46.0	45.2	45.2
40°	1828.2	1268.7	205.7	95.3	75.3	59.4	47.7	40.1	41.8	41.8	41.0
42.5°	1949.5	1293.0	161.4	87.8	67.7	52.7	40.1	36.0	33.5	33.5	32.6
45°	2110.1	1344.8	132.1	82.0	61.9	45.2	32.6	29.3	26.8	26.8	25.9
47.5°	2309.1	1417.6	115.4	76.1	55.2	37.6	26.8	23.4	21.7	20.9	20.9
50°	2521.5	1504.6	106.2	71.1	47.7	30.1	21.7	18.4	16.7	16.7	15.9
52.5°	2741.5	1604.1	98.7	67.7	41.0	25.1	16.7	13.4	12.5	11.7	12.5
55°	2919.6	1664.3	93.7	66.9	34.3	20.1	12.5	10.0	9.2	8.4	8.4
57.5°	3036.7	1696.9	87.0	61.9	27.6	15.1	9.2	6.7	5.9	5.9	5.9
60°	3128.7	1715.3	78.6	49.3	21.7	10.9	5.9	4.2	4.2	4.2	4.2
62.5°	3201.5	1727.9	66.1	38.5	16.7	7.5	4.2	2.5	2.5	2.5	2.5
65°	3417.3	1801.5	51.0	29.3	12.5	5.0	2.5	1.7	0.8	1.7	1.7
67.5°	3679.9	1832.4	37.6	20.9	9.2	3.3	1.7	0.8	0.8	0.8	1.7
70°	3576.2	1596.6	27.6	15.1	6.7	2.5	1.7	0.8	0.8	0.8	1.7
72.5°	3004.9	1166.7	20.1	10.9	5.0	2.5	1.7	0.8	0.8	1.7	1.7
75°	2161.1	658.2	15.9	7.5	4.2	2.5	1.7	1.7	1.7	2.5	2.5
77.5°	1017.0	245.0	15.9	6.7	4.2	2.5	1.7	1.7	2.5	3.3	1.7
80°	246.7	61.1	15.9	5.9	4.2	2.5	2.5	2.5	3.3	3.3	1.7
82.5°	82.8	25.9	11.7	5.0	4.2	2.5	2.5	3.3	3.3	4.2	2.5
85°	50.2	16.7	8.4	5.9	5.0	2.5	3.3	3.3	4.2	5.0	2.5
87.5°	8.4	6.7	5.9	5.9	5.0	3.3	3.3	4.2	4.2	5.0	3.3
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)