

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: P416566

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416566
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-PA1-70-830-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA 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: 5116 lumens
Efficiency: N/A
Efficacy: 69.1 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

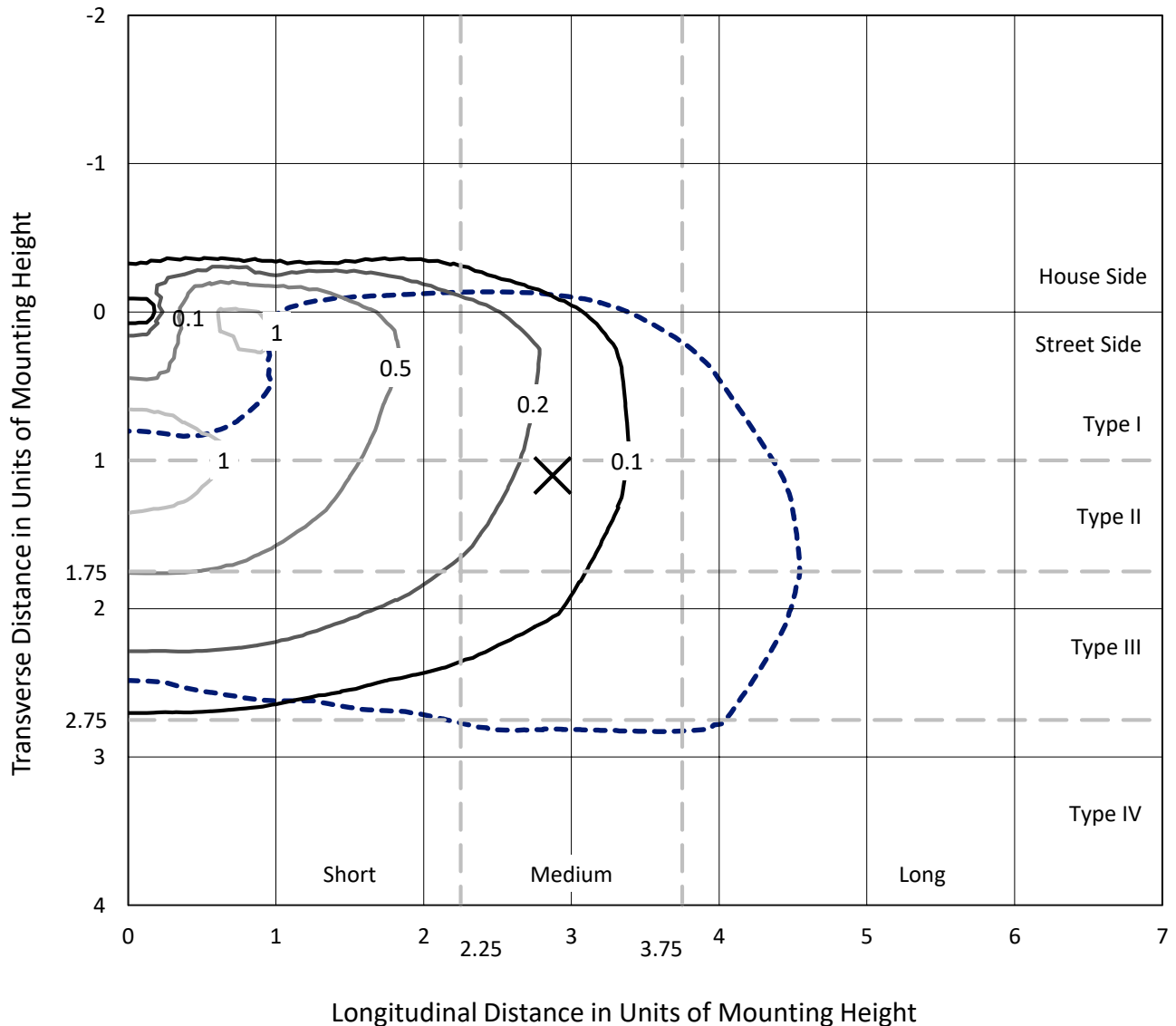
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

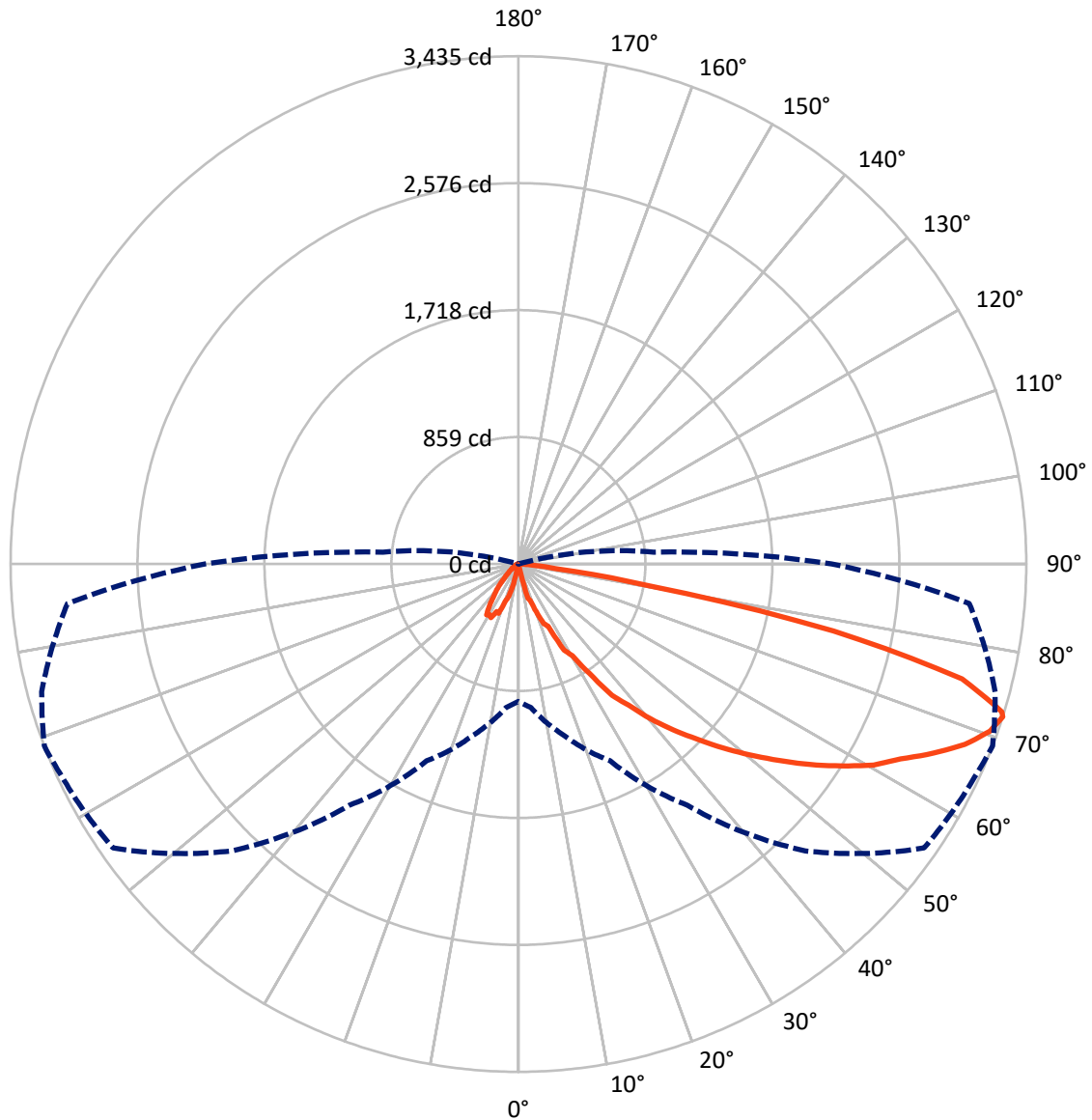


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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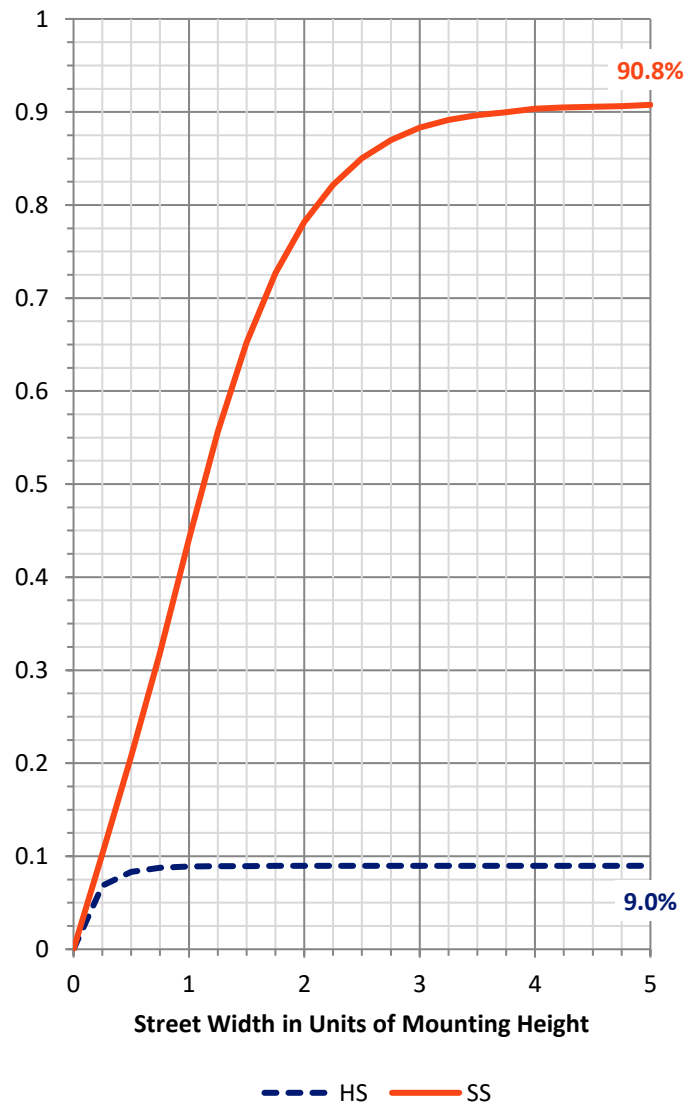
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	464.0	0.0	464.0
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	4652.1	0.0	4652.1
	% Fixture	90.9	0.0	90.9
Total	Lumens	5116.0	0.0	5116.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	44.5	0.9
20°-30°	159.3	3.1
30°-40°	407.0	8.0
40°-50°	805.3	15.7
50°-60°	1269.1	24.8
60°-70°	1476.1	28.9
70°-80°	896.1	17.5
80°-90°	55.5	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°	5116.0	100.0
0°-180°	5116.0	100.0



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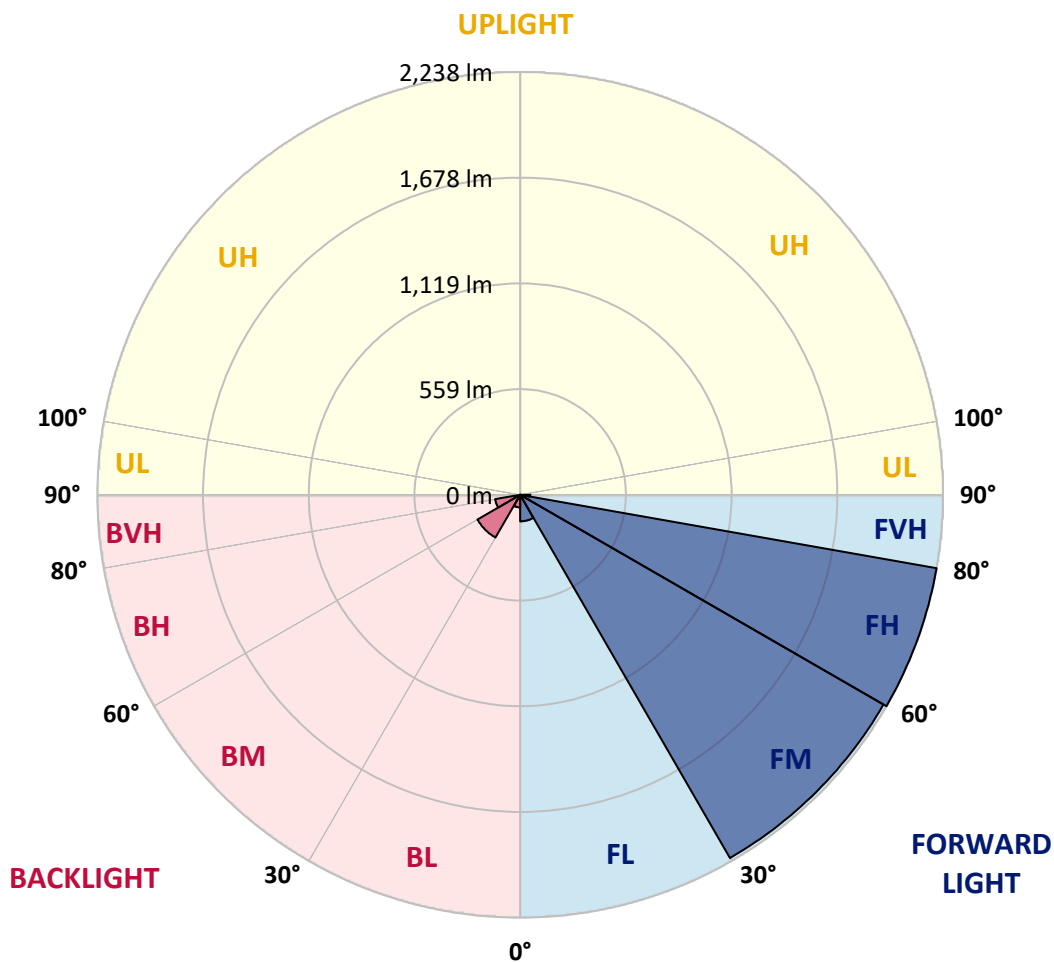
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.5	2.7			
FM	(30°-60°)	2220.2	43.4			
FH	(60°-80°)	2237.9	43.7			G2/5000
FVH	(80°-90°)	53.5	1.0			G1/100
BL	(0°-30°)	66.6	1.3	B0/110		
BM	(30°-60°)	261.1	5.1	B1/1000		
BH	(60°-80°)	134.3	2.6	B1/500		G1/500
BVH	(80°-90°)	1.9	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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	0.7	0.7	0.7	0.7	1.5	1.5	2.2	2.2	2.2	2.2	2.2
5°	71.2	46.5	34.9	29.1	14.5	3.6	2.2	2.2	2.2	2.2	2.2
7.5°	109.8	109.8	110.5	111.2	113.4	95.2	20.4	2.2	2.2	2.2	2.2
10°	106.1	105.4	105.4	106.9	109.8	112.7	115.6	15.3	3.6	2.2	2.2
12.5°	207.2	205.0	190.5	133.0	109.1	110.5	116.3	88.7	24.7	14.5	83.6
15°	205.0	204.3	205.7	209.4	210.8	117.8	172.3	234.1	239.2	161.4	195.6
17.5°	223.9	217.4	207.2	208.6	215.2	253.0	243.5	253.7	258.8	181.0	211.6
20°	309.7	309.0	310.4	243.5	227.6	320.6	282.1	275.5	342.4	358.4	397.7
22.5°	316.2	314.8	317.0	324.2	364.2	335.1	408.6	418.0	437.7	484.2	454.4
25°	442.7	442.7	363.5	338.8	415.1	378.8	506.0	475.5	465.3	519.8	584.5
27.5°	534.3	528.5	509.6	473.3	431.8	535.8	538.7	649.9	659.4	725.5	737.9
30°	676.8	668.8	618.7	590.3	535.8	563.4	628.9	772.8	720.5	773.5	827.3
32.5°	1001.8	990.2	926.9	743.7	675.4	610.7	753.9	829.5	881.1	1025.1	1084.0
35°	1297.7	1222.1	1135.6	996.0	818.6	793.9	813.5	1028.7	1089.8	1134.1	1193.7
37.5°	1595.8	1597.2	1510.7	1171.9	1034.5	916.7	980.7	1149.4	1211.2	1276.6	1330.4
40°	1835.0	1798.6	1683.0	1434.4	1220.6	1102.9	1110.9	1267.2	1376.9	1459.1	1470.0
42.5°	2140.3	2125.0	1954.9	1674.3	1461.3	1346.4	1311.5	1388.6	1534.0	1588.5	1621.9
45°	2432.5	2410.0	2265.3	1947.6	1718.6	1590.0	1542.0	1542.7	1685.9	1744.1	1792.1
47.5°	2651.4	2615.0	2537.2	2199.2	2042.1	1856.0	1756.4	1718.6	1858.2	1933.8	1960.7
50°	2880.4	2820.8	2759.0	2483.4	2321.3	2159.9	1969.4	1927.3	2028.3	2112.7	2134.5
52.5°	3033.8	2947.3	2904.4	2686.3	2571.4	2468.9	2182.5	2135.2	2207.2	2306.8	2289.3
55°	2956.0	2929.1	2975.6	2861.5	2750.2	2636.8	2414.4	2375.8	2394.7	2478.3	2436.9
57.5°	2793.9	2801.9	2939.3	2961.1	2910.9	2804.0	2622.3	2615.8	2577.2	2645.6	2591.8
60°	2624.5	2654.3	2845.5	2954.5	2990.9	2955.3	2841.8	2793.9	2759.7	2807.7	2765.5
62.5°	2397.7	2403.5	2660.1	2896.4	2960.4	3073.0	2995.2	2972.0	2901.5	2972.7	2955.3
65°	2112.7	2119.9	2361.3	2696.4	2868.7	3095.6	3115.2	3139.9	3085.4	3105.0	3160.3
67.5°	1794.2	1808.1	2018.9	2342.4	2671.7	3051.2	3214.8	3262.1	3257.7	3251.9	3306.4
70°	1452.5	1462.0	1633.6	1917.1	2353.3	2929.1	3307.1	3367.5	3384.2	3343.5	3304.9
72°	929.1	974.9	1201.7	1469.3	1992.0	2743.7	3348.6	3406.0	3435.1	3337.7	3061.4
72.5°	729.9	766.3	1110.1	1346.4	1868.4	2700.8	3340.6	3392.9	3419.8	3305.7	2958.2
75°	157.0	161.4	347.5	654.3	1178.5	2069.0	3063.6	3070.1	3099.2	2880.4	2025.4
77.5°	67.6	68.3	96.7	215.9	423.1	1057.8	2120.7	2181.0	2178.8	1864.0	979.3
80°	47.3	48.7	57.4	98.9	201.4	306.1	1036.0	1042.5	897.1	666.7	244.3
82.5°	24.7	26.2	40.7	58.9	136.7	112.0	335.1	338.1	249.4	157.0	56.7
85°	4.4	6.5	19.6	35.6	53.1	45.1	73.4	92.3	80.0	62.5	24.0
87.5°	0.7	0.7	5.1	5.1	7.3	4.4	7.3	8.0	8.7	13.1	6.5
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.0	0.0
5°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.0	66.9	90.1	96.0	102.5
10°	2.2	2.9	2.2	2.2	1.5	91.6	112.7	114.1	115.6	115.6	114.9
12.5°	92.3	94.5	33.4	6.5	85.1	116.3	110.5	101.1	92.3	89.4	88.7
15°	197.7	198.5	179.6	154.9	165.0	109.8	86.5	98.1	99.6	96.0	96.0
17.5°	213.0	213.0	203.6	248.6	208.6	109.8	90.9	74.9	64.0	61.1	60.3
20°	421.7	369.3	298.8	252.3	170.1	122.9	64.0	54.5	53.1	53.1	55.3
22.5°	455.1	448.6	388.9	340.2	146.1	86.5	62.5	62.5	74.2	72.7	72.0
25°	594.0	585.2	440.6	295.9	146.1	74.2	79.2	69.8	68.3	66.9	65.4
27.5°	751.0	732.8	619.4	267.5	103.2	77.8	75.6	66.2	78.5	78.5	77.8
30°	855.0	786.6	623.8	239.9	87.2	82.9	71.2	77.1	69.8	65.4	65.4
32.5°	1108.0	1076.7	762.6	169.4	82.9	74.9	74.9	66.2	58.9	61.1	60.3
35°	1187.9	1147.2	679.0	127.2	76.3	69.1	62.5	58.2	50.2	45.1	44.3
37.5°	1286.8	1233.7	570.0	98.1	74.9	61.1	51.6	44.3	38.5	38.5	37.8
40°	1408.2	1327.5	466.0	83.6	66.2	52.3	40.0	34.2	30.5	28.4	27.6
42.5°	1541.2	1416.2	358.4	75.6	57.4	42.9	29.8	24.7	22.5	21.8	21.8
45°	1681.6	1498.4	257.4	69.1	50.2	33.4	21.8	17.4	16.7	16.7	16.7
47.5°	1824.8	1558.0	175.2	62.5	42.2	24.7	16.0	13.1	13.1	12.4	12.4
50°	1965.1	1598.7	120.7	56.0	34.2	17.4	11.6	10.9	10.9	10.2	10.2
52.5°	2066.9	1589.2	90.1	48.7	26.9	13.1	9.5	8.7	8.7	8.7	8.7
55°	2165.7	1568.1	74.2	41.4	20.4	9.5	7.3	6.5	6.5	6.5	6.5
57.5°	2267.5	1539.8	64.0	33.4	14.5	7.3	5.1	5.1	5.1	5.1	5.1
60°	2351.9	1484.5	55.3	26.9	10.2	5.1	4.4	3.6	3.6	3.6	3.6
62.5°	2445.6	1428.6	47.3	20.4	7.3	3.6	2.9	2.2	2.2	1.5	2.2
65°	2512.5	1360.2	38.5	14.5	5.1	2.9	2.2	1.5	0.7	0.0	0.7
67.5°	2511.1	1269.3	27.6	9.5	3.6	2.2	1.5	0.7	0.0	0.0	0.0
70°	2401.3	1139.2	18.9	6.5	2.9	1.5	1.5	0.7	0.0	0.0	0.0
72°	2119.2	918.9	14.5	5.8	2.9	1.5	1.5	0.7	0.0	0.0	0.0
72.5°	2020.3	843.3	13.1	5.1	2.9	1.5	1.5	0.7	0.0	0.0	0.0
75°	1283.2	351.1	10.2	4.4	2.9	1.5	1.5	0.7	0.7	0.7	0.0
77.5°	596.1	128.7	7.3	3.6	2.2	1.5	1.5	0.7	0.7	1.5	0.0
80°	130.1	37.8	5.1	3.6	2.2	1.5	1.5	1.5	1.5	2.2	0.0
82.5°	29.8	12.4	4.4	2.9	2.2	1.5	1.5	1.5	1.5	2.2	0.0
85°	10.9	7.3	4.4	3.6	2.9	1.5	1.5	2.2	2.2	2.9	0.0
87.5°	4.4	4.4	3.6	3.6	2.9	1.5	2.2	2.2	2.9	2.9	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)