

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: P416150

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416150  
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-PA1-60-830-U-T3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA 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: 4562 lumens  
Efficiency: N/A  
Efficacy: 71.3 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

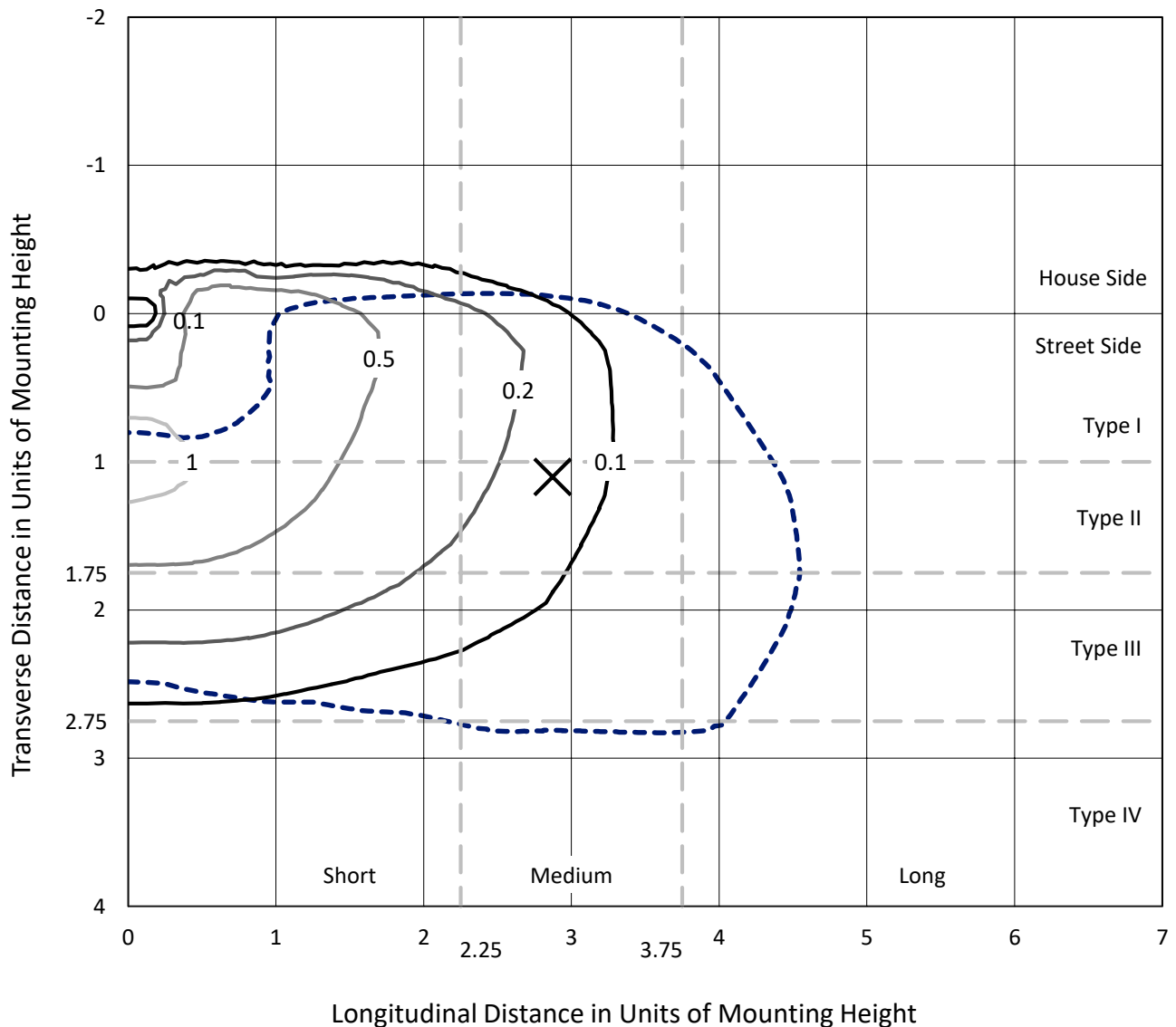
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

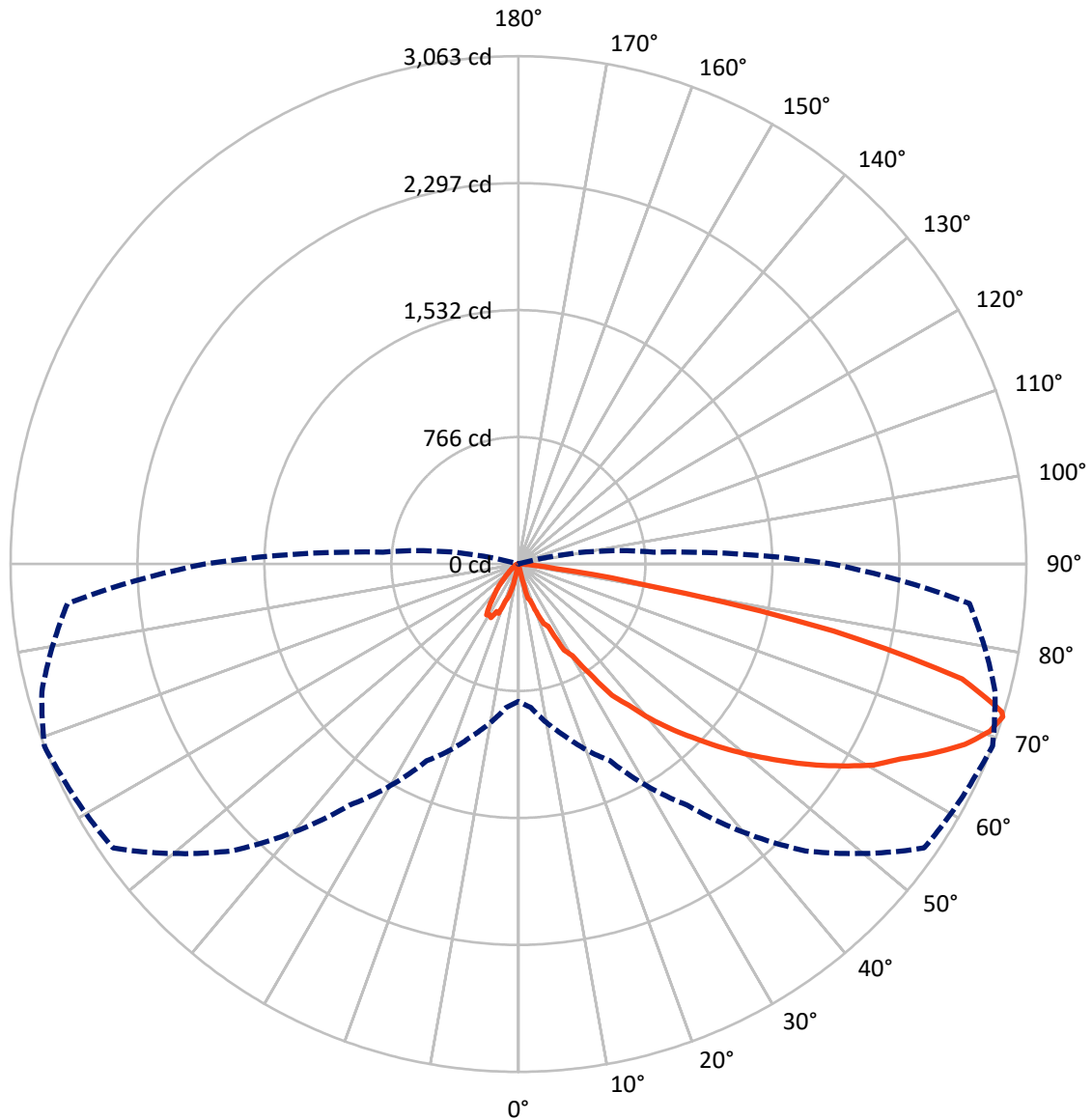


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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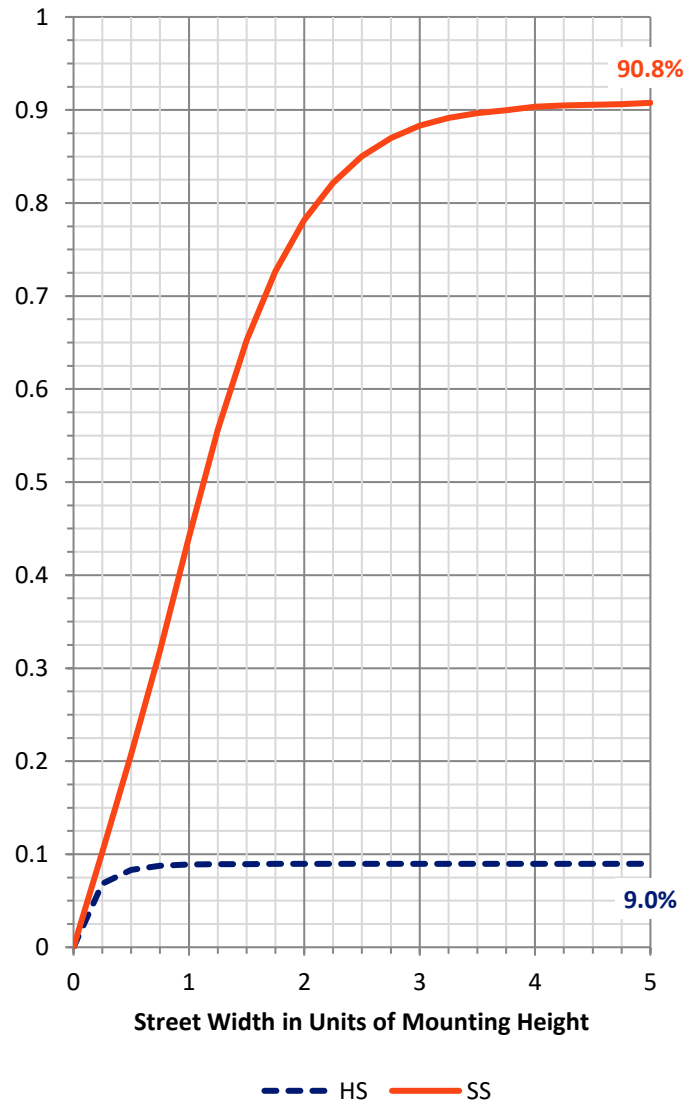
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	413.7	0.0	413.7
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	4148.3	0.0	4148.3
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	4562.0	0.0	4562.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	39.6	0.9
20°-30°	142.1	3.1
30°-40°	362.9	8.0
40°-50°	718.1	15.7
50°-60°	1131.6	24.8
60°-70°	1316.2	28.9
70°-80°	799.0	17.5
80°-90°	49.4	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°	4562.0	100.0
0°-180°	4562.0	100.0



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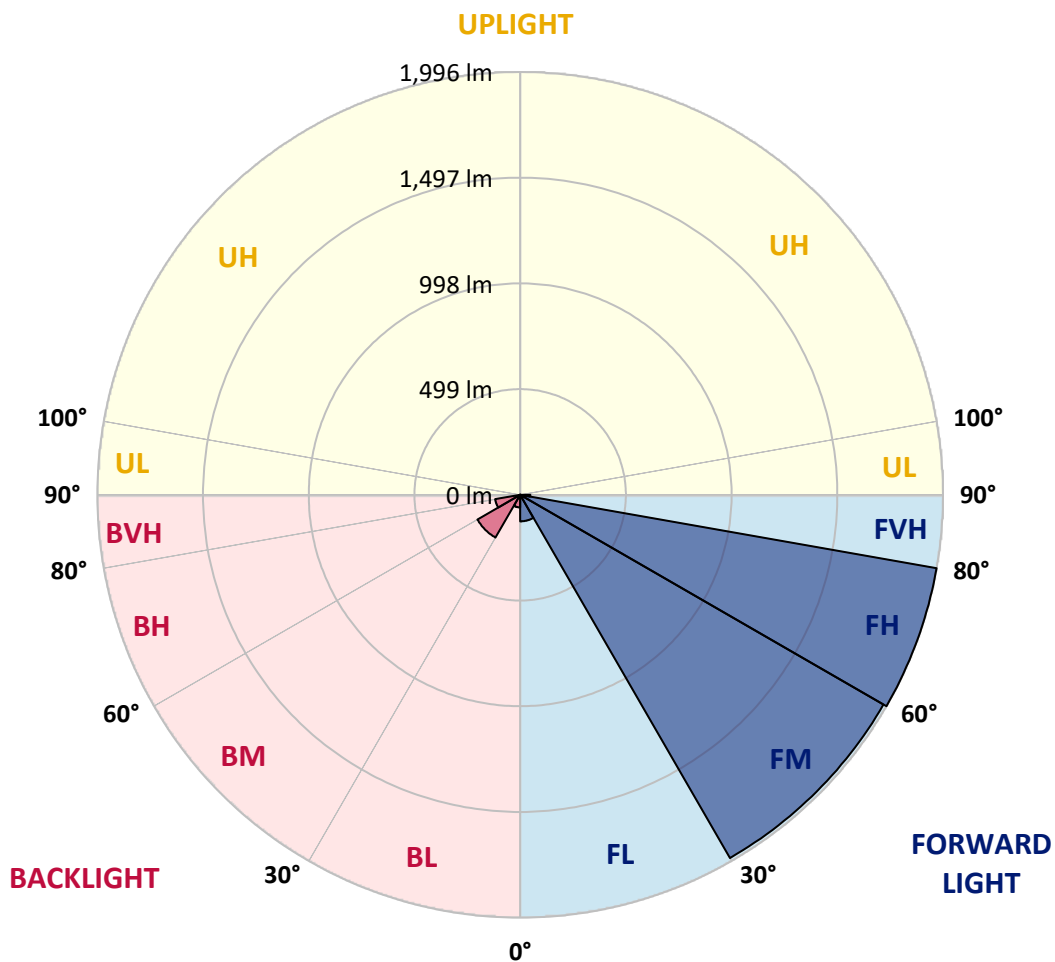
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.3	2.7			
FM	(30°-60°)	1979.8	43.4			
FH	(60°-80°)	1995.6	43.7			G2/5000
FVH	(80°-90°)	47.7	1.0			G1/100
BL	(0°-30°)	59.4	1.3	B0/110		
BM	(30°-60°)	232.9	5.1	B1/1000		
BH	(60°-80°)	119.7	2.6	B1/500		G1/500
BVH	(80°-90°)	1.7	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°	1.3	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	0.6	1.3	1.3	1.9	1.9	1.9	1.9	1.9
5°	63.5	41.5	31.1	25.9	13.0	3.2	1.9	1.9	1.9	1.9	1.9
7.5°	97.9	97.9	98.5	99.2	101.1	84.9	18.2	1.9	1.9	1.9	1.9
10°	94.6	94.0	94.0	95.3	97.9	100.5	103.1	13.6	3.2	1.9	1.9
12.5°	184.8	182.8	169.8	118.6	97.2	98.5	103.7	79.1	22.0	13.0	74.6
15°	182.8	182.2	183.5	186.7	188.0	105.0	153.6	208.7	213.3	143.9	174.4
17.5°	199.7	193.8	184.8	186.1	191.9	225.6	217.2	226.2	230.8	161.4	188.6
20°	276.2	275.5	276.8	217.2	202.9	285.9	251.5	245.7	305.3	319.6	354.6
22.5°	282.0	280.7	282.6	289.1	324.8	298.9	364.3	372.8	390.3	431.8	405.2
25°	394.8	394.8	324.1	302.1	370.2	337.8	451.2	424.0	414.9	463.5	521.2
27.5°	476.5	471.3	454.4	422.0	385.1	477.8	480.4	579.6	588.0	647.0	658.0
30°	603.5	596.4	551.7	526.4	477.8	502.4	560.8	689.1	642.4	689.8	737.7
32.5°	893.3	883.0	826.6	663.2	602.2	544.6	672.3	739.7	785.7	914.1	966.6
35°	1157.2	1089.8	1012.6	888.1	730.0	707.9	725.4	917.3	971.8	1011.3	1064.5
37.5°	1423.0	1424.3	1347.1	1045.0	922.5	817.5	874.5	1024.9	1080.0	1138.4	1186.3
40°	1636.2	1603.8	1500.8	1279.0	1088.5	983.4	990.6	1129.9	1227.8	1301.1	1310.8
42.5°	1908.5	1894.9	1743.2	1493.0	1303.0	1200.6	1169.5	1238.2	1367.9	1416.5	1446.3
45°	2169.1	2149.0	2020.0	1736.7	1532.5	1417.8	1375.0	1375.6	1503.4	1555.2	1598.0
47.5°	2364.3	2331.9	2262.5	1961.0	1821.0	1655.0	1566.2	1532.5	1657.0	1724.4	1748.4
50°	2568.5	2515.3	2460.2	2214.5	2069.9	1926.0	1756.2	1718.6	1808.7	1883.9	1903.3
52.5°	2705.3	2628.1	2589.9	2395.4	2293.0	2201.5	1946.1	1904.0	1968.2	2057.0	2041.4
55°	2635.9	2611.9	2653.4	2551.6	2452.4	2351.3	2152.9	2118.6	2135.4	2210.0	2173.0
57.5°	2491.3	2498.5	2621.0	2640.4	2595.7	2500.4	2338.3	2332.5	2298.1	2359.1	2311.1
60°	2340.3	2366.9	2537.4	2634.6	2667.0	2635.2	2534.1	2491.3	2460.9	2503.6	2466.0
62.5°	2138.0	2143.2	2372.0	2582.7	2639.8	2740.3	2670.9	2650.2	2587.3	2650.8	2635.2
65°	1883.9	1890.4	2105.6	2404.5	2558.1	2760.4	2777.9	2799.9	2751.3	2768.8	2818.1
67.5°	1599.9	1612.3	1800.3	2088.7	2382.4	2720.8	2866.7	2908.8	2904.9	2899.7	2948.4
70°	1295.3	1303.7	1456.7	1709.5	2098.5	2611.9	2949.0	3002.8	3017.7	2981.4	2947.1
72°	828.5	869.3	1071.6	1310.2	1776.3	2446.6	2986.0	3037.2	3063.1	2976.2	2729.9
72.5°	650.9	683.3	989.9	1200.6	1666.1	2408.3	2978.8	3025.5	3049.5	2947.7	2637.8
75°	140.0	143.9	309.9	583.4	1050.9	1845.0	2731.8	2737.7	2763.6	2568.5	1806.1
77.5°	60.3	60.9	86.2	192.5	377.3	943.2	1891.0	1944.8	1942.9	1662.2	873.2
80°	42.1	43.4	51.2	88.2	179.6	272.9	923.8	929.6	800.0	594.5	217.8
82.5°	22.0	23.3	36.3	52.5	121.9	99.8	298.9	301.4	222.4	140.0	50.6
85°	3.9	5.8	17.5	31.8	47.3	40.2	65.5	82.3	71.3	55.8	21.4
87.5°	0.6	0.6	4.5	4.5	6.5	3.9	6.5	7.1	7.8	11.7	5.8
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°	1.9	1.9	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0
5°	1.9	1.9	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.9	1.9	1.9	1.9	1.3	0.6	0.0	59.6	80.4	85.6	91.4
10°	1.9	2.6	1.9	1.9	1.3	81.7	100.5	101.8	103.1	103.1	102.4
12.5°	82.3	84.3	29.8	5.8	75.8	103.7	98.5	90.1	82.3	79.7	79.1
15°	176.3	177.0	160.1	138.1	147.2	97.9	77.1	87.5	88.8	85.6	85.6
17.5°	189.9	189.9	181.5	221.7	186.1	97.9	81.0	66.8	57.0	54.5	53.8
20°	376.0	329.3	266.4	225.0	151.7	109.6	57.0	48.6	47.3	47.3	49.3
22.5°	405.8	400.0	346.8	303.4	130.3	77.1	55.8	55.8	66.1	64.8	64.2
25°	529.6	521.9	392.9	263.8	130.3	66.1	70.7	62.2	60.9	59.6	58.3
27.5°	669.7	653.5	552.3	238.6	92.1	69.4	67.4	59.0	70.0	70.0	69.4
30°	762.4	701.4	556.2	213.9	77.8	73.9	63.5	68.7	62.2	58.3	58.3
32.5°	988.0	960.1	680.0	151.0	73.9	66.8	66.8	59.0	52.5	54.5	53.8
35°	1059.3	1023.0	605.5	113.4	68.1	61.6	55.8	51.9	44.7	40.2	39.5
37.5°	1147.4	1100.1	508.2	87.5	66.8	54.5	46.0	39.5	34.4	34.4	33.7
40°	1255.7	1183.8	415.5	74.6	59.0	46.7	35.7	30.5	27.2	25.3	24.6
42.5°	1374.3	1262.8	319.6	67.4	51.2	38.2	26.6	22.0	20.1	19.4	19.4
45°	1499.5	1336.1	229.5	61.6	44.7	29.8	19.4	15.6	14.9	14.9	14.9
47.5°	1627.2	1389.3	156.2	55.8	37.6	22.0	14.3	11.7	11.7	11.0	11.0
50°	1752.3	1425.6	107.6	49.9	30.5	15.6	10.4	9.7	9.7	9.1	9.1
52.5°	1843.0	1417.1	80.4	43.4	24.0	11.7	8.4	7.8	7.8	7.8	7.8
55°	1931.2	1398.3	66.1	37.0	18.2	8.4	6.5	5.8	5.8	5.8	5.8
57.5°	2022.0	1373.0	57.0	29.8	13.0	6.5	4.5	4.5	4.5	4.5	4.5
60°	2097.2	1323.8	49.3	24.0	9.1	4.5	3.9	3.2	3.2	3.2	3.2
62.5°	2180.8	1273.9	42.1	18.2	6.5	3.2	2.6	1.9	1.9	1.3	1.9
65°	2240.4	1212.9	34.4	13.0	4.5	2.6	1.9	1.3	0.6	0.0	0.6
67.5°	2239.1	1131.9	24.6	8.4	3.2	1.9	1.3	0.6	0.0	0.0	0.0
70°	2141.3	1015.8	16.9	5.8	2.6	1.3	1.3	0.6	0.0	0.0	0.0
72°	1889.7	819.4	13.0	5.2	2.6	1.3	1.3	0.6	0.0	0.0	0.0
72.5°	1801.6	752.0	11.7	4.5	2.6	1.3	1.3	0.6	0.0	0.0	0.0
75°	1144.2	313.1	9.1	3.9	2.6	1.3	1.3	0.6	0.6	0.6	0.0
77.5°	531.6	114.7	6.5	3.2	1.9	1.3	1.3	0.6	0.6	1.3	0.0
80°	116.0	33.7	4.5	3.2	1.9	1.3	1.3	1.3	1.3	1.9	0.0
82.5°	26.6	11.0	3.9	2.6	1.9	1.3	1.3	1.3	1.3	1.9	0.0
85°	9.7	6.5	3.9	3.2	2.6	1.3	1.3	1.9	1.9	2.6	0.0
87.5°	3.9	3.9	3.2	3.2	2.6	1.3	1.9	1.9	2.6	2.6	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)