

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: P416123

Luminaire Tested: **LXF.LXT-PA1-60-830-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416123
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-PA1-60-830-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA 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: 4993 lumens
Efficiency: N/A
Efficacy: 78.0 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

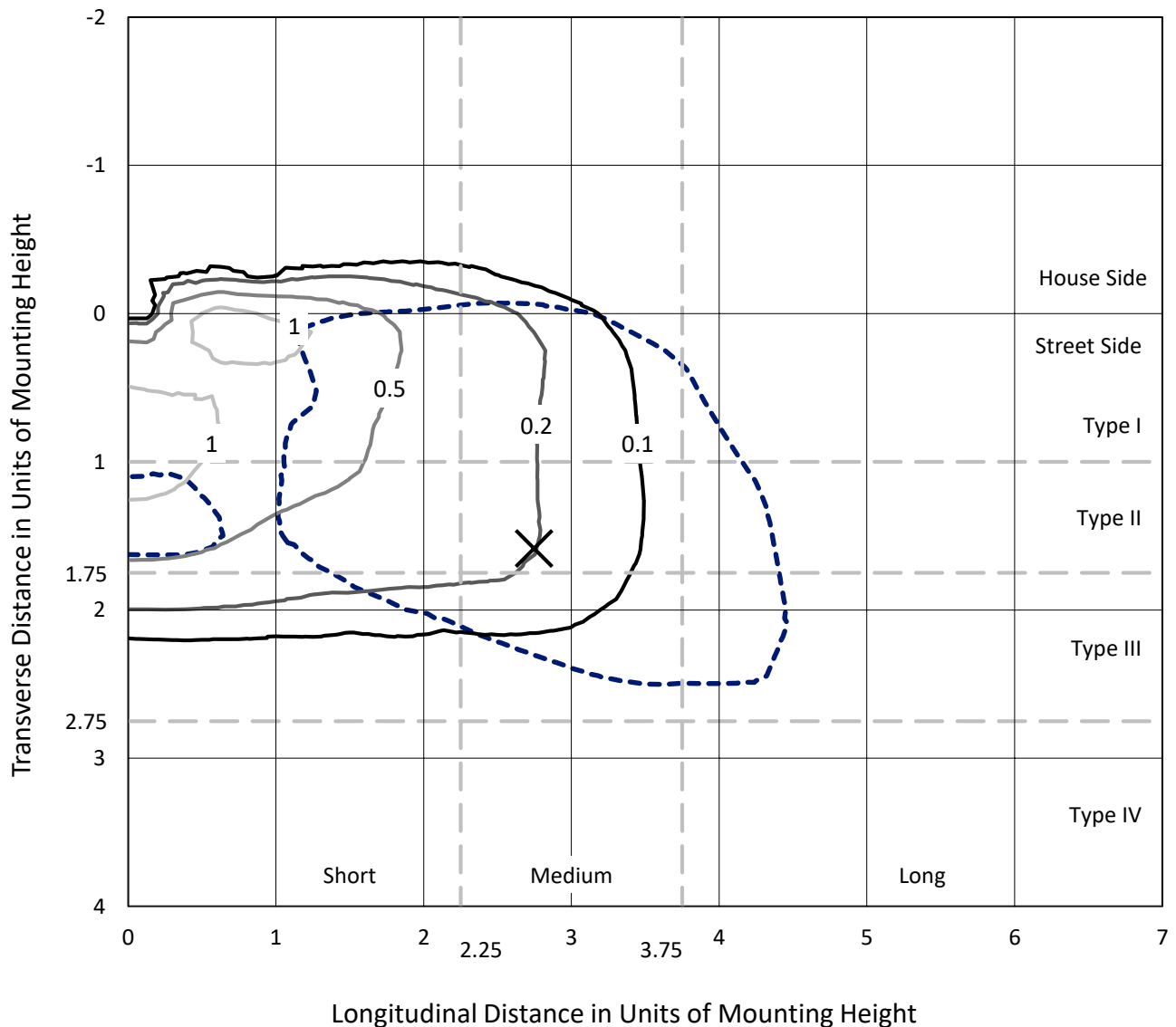
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

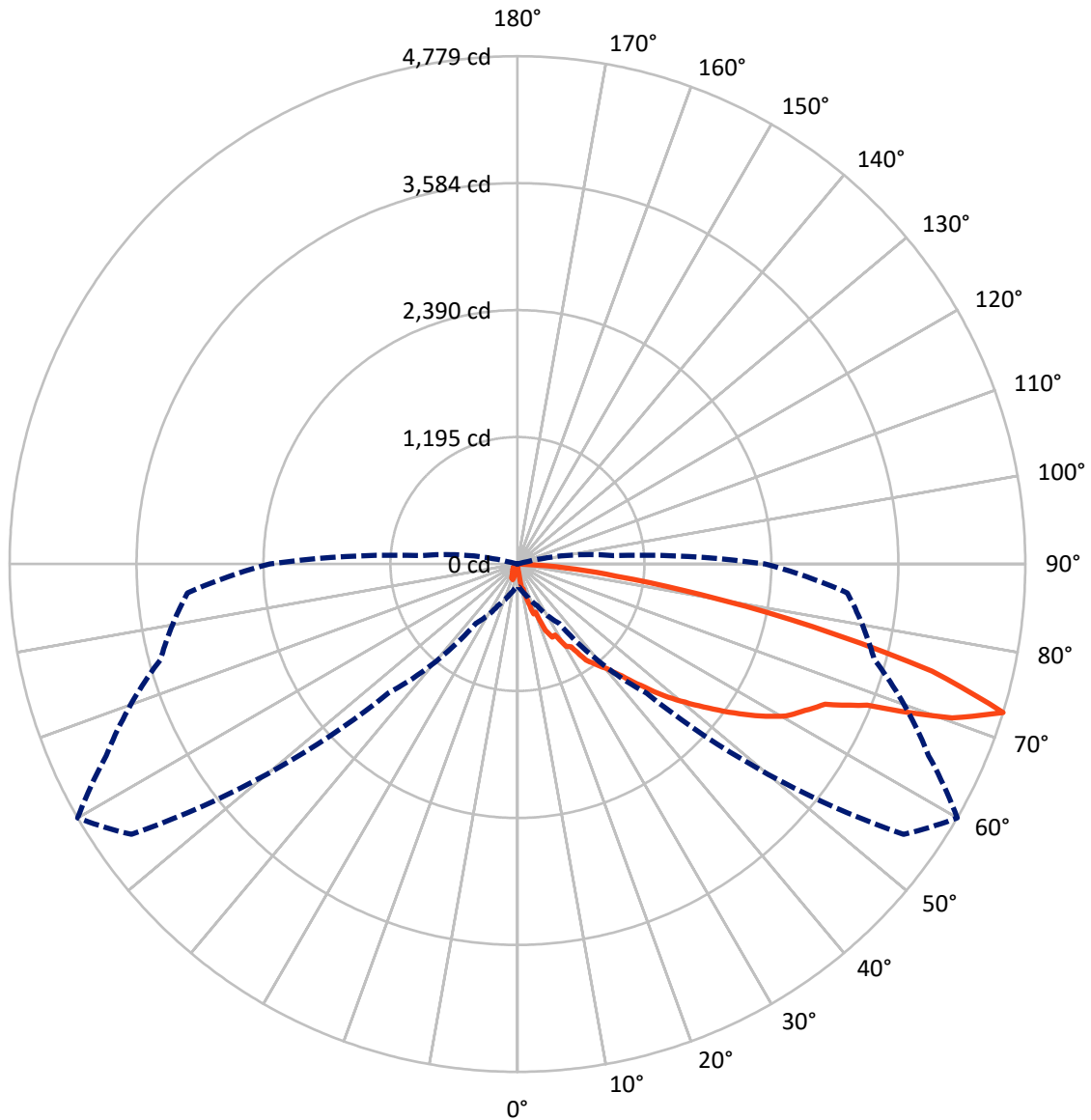
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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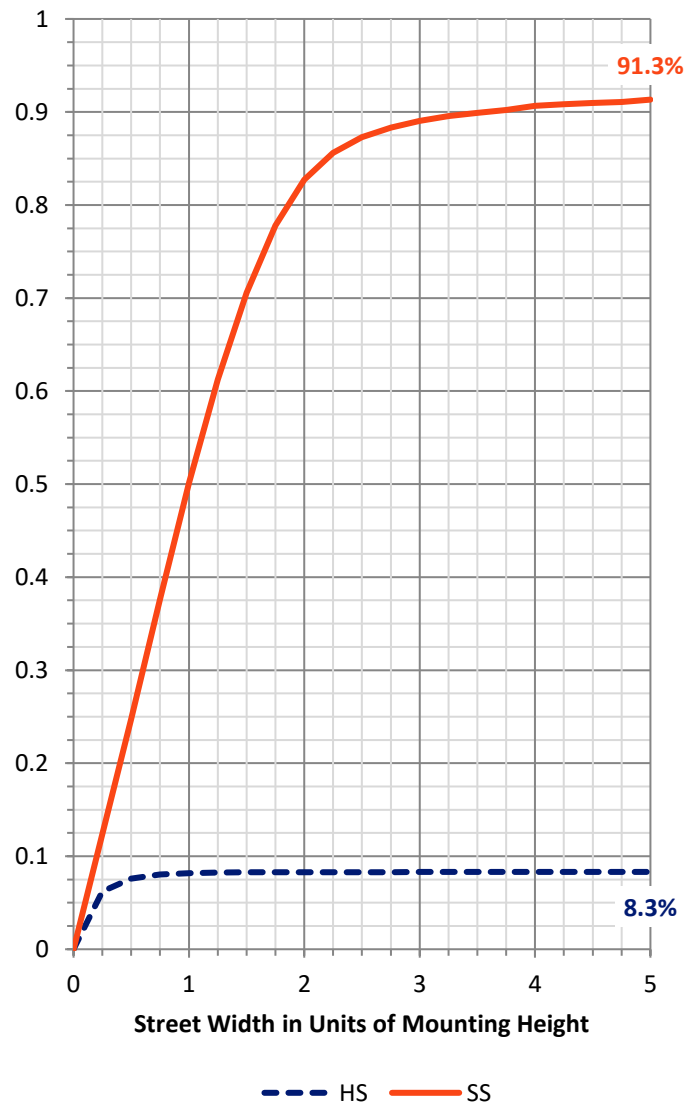
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	418.8	0.0	418.8
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4574.2	0.0	4574.2
	% Fixture	91.6	0.0	91.6
Total	Lumens	4993.0	0.0	4993.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.1
10°-20°	69.6	1.4
20°-30°	217.5	4.4
30°-40°	468.9	9.4
40°-50°	797.2	16.0
50°-60°	1178.5	23.6
60°-70°	1281.9	25.7
70°-80°	873.7	17.5
80°-90°	99.1	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°	4993.0	100.0
0°-180°	4993.0	100.0

Coefficient of Utilization



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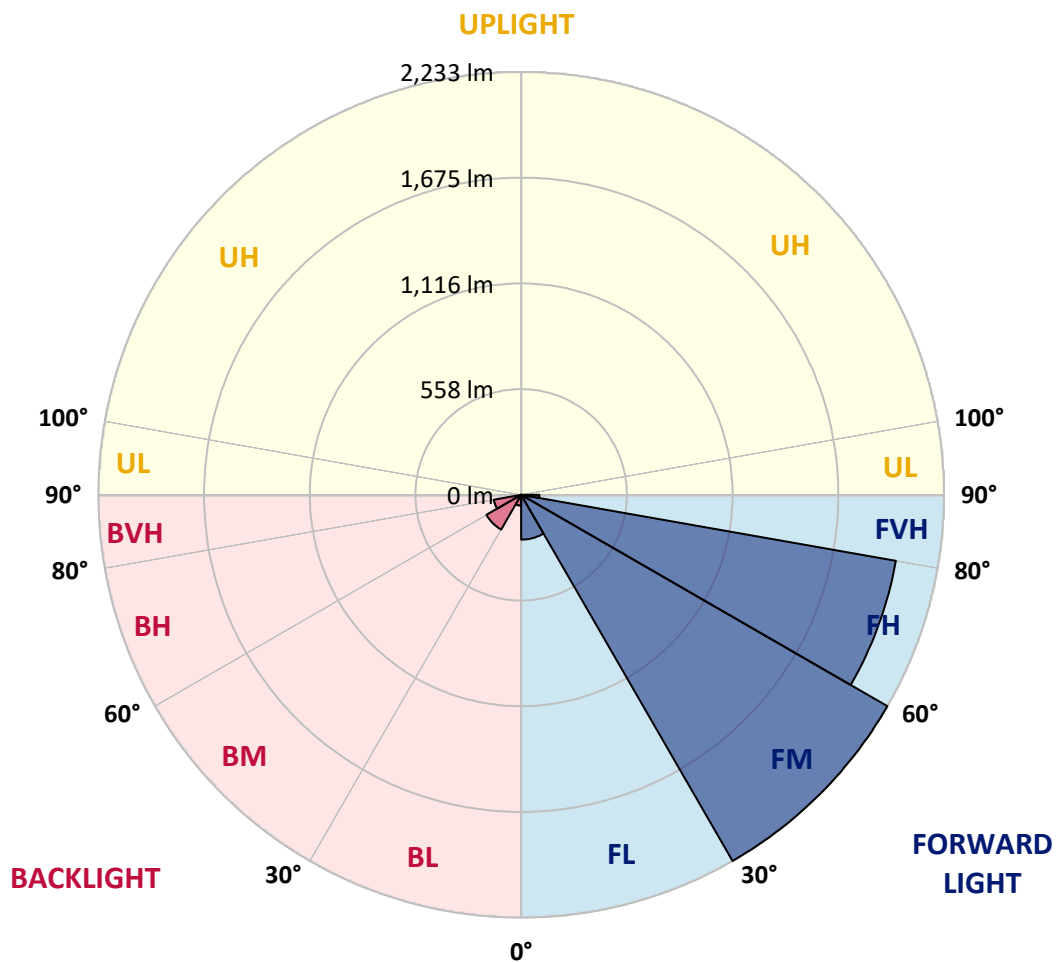
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	236.5	4.7			
FM	(30°-60°)	2232.8	44.7			
FH	(60°-80°)	2008.9	40.2			G2/5000
FVH	(80°-90°)	96.1	1.9			G1/100
BL	(0°-30°)	57.2	1.1	B0/110		
BM	(30°-60°)	211.8	4.2	B0/220		
BH	(60°-80°)	146.7	2.9	B1/500		G1/500
BVH	(80°-90°)	3.0	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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	4.5	3.2	3.2	2.6	1.9	1.9	1.9	2.6	2.6	1.9	2.6
5°	255.4	252.2	252.2	253.5	164.6	27.9	15.6	6.5	2.6	2.6	2.6
7.5°	242.4	239.8	241.1	244.4	246.3	249.6	249.6	76.5	24.6	2.6	2.6
10°	248.3	246.3	236.0	234.0	237.9	241.1	242.4	248.3	241.1	7.1	2.6
12.5°	436.9	433.7	433.7	439.5	255.4	233.4	236.0	241.8	208.7	27.2	14.9
15°	418.1	415.5	416.2	423.3	433.0	307.3	242.4	359.1	460.9	416.2	330.6
17.5°	583.4	502.4	434.3	413.6	415.5	429.1	470.0	493.9	468.7	473.8	360.4
20°	595.7	591.2	588.6	593.1	425.2	565.9	597.7	484.9	471.9	507.6	665.1
22.5°	616.5	606.1	585.3	582.7	654.7	557.5	578.9	678.0	696.2	743.5	692.3
25°	834.9	827.1	805.7	613.2	671.6	640.4	729.9	762.9	751.9	783.0	750.6
27.5°	917.2	902.3	856.3	796.0	713.0	755.2	738.3	756.5	830.4	1078.6	1058.5
30°	1285.4	1245.9	1118.8	916.6	847.9	786.3	858.9	897.1	959.4	1103.9	1085.1
32.5°	1396.9	1354.8	1262.7	1166.8	1004.7	891.3	945.1	928.2	973.0	1347.0	1424.8
35°	1721.7	1702.2	1536.3	1269.9	1228.4	1051.4	992.4	1108.4	1174.6	1365.8	1497.4
37.5°	1725.6	1726.8	1717.1	1536.9	1347.0	1181.7	1192.7	1197.3	1248.5	1455.2	1581.6
40°	1780.6	1789.7	1813.7	1677.6	1517.5	1370.3	1341.2	1295.8	1341.2	1555.7	1697.0
42.5°	1896.0	1902.5	1955.7	1813.7	1652.3	1517.5	1532.4	1439.7	1472.7	1745.6	1853.9
45°	2098.9	2095.0	2161.8	1957.0	1778.1	1685.4	1702.2	1630.9	1610.8	1901.2	2038.0
47.5°	2328.4	2342.7	2340.1	2115.1	1903.2	1841.6	1890.2	1852.0	1772.9	2099.6	2252.5
50°	2545.5	2541.0	2473.6	2204.6	2014.7	1994.6	2106.7	2043.8	1971.9	2301.2	2459.3
52.5°	2624.6	2628.5	2548.1	2258.4	2109.9	2146.2	2314.1	2250.6	2157.3	2445.1	2664.8
55°	2610.4	2615.6	2570.2	2313.5	2181.2	2288.2	2529.3	2474.9	2369.9	2601.3	2819.1
57.5°	2476.8	2476.8	2513.8	2347.8	2250.6	2415.3	2721.2	2699.2	2569.5	2730.9	2911.1
60°	2135.9	2172.2	2288.2	2306.4	2332.3	2552.7	2911.1	2904.0	2746.5	2852.1	2965.6
62.5°	1642.6	1654.2	1910.9	2105.4	2338.8	2737.4	3071.2	3036.9	2877.4	2889.1	3003.8
65°	931.5	984.6	1221.9	1713.2	2205.9	2930.6	3328.6	3181.4	2992.2	2933.2	3144.5
67.5°	501.7	521.2	653.4	1037.1	1807.9	2952.0	3912.0	3548.3	3264.4	3165.2	3420.0
70°	324.1	344.9	416.2	569.8	1133.7	2610.4	4461.0	4338.5	3826.4	3482.9	3462.1
72.5°	210.7	223.0	300.1	429.1	681.9	1719.7	4435.7	4779.3	4270.4	3477.0	3116.6
75°	85.6	94.0	150.4	357.2	576.3	842.7	3403.1	4030.0	4009.2	3090.0	2412.0
77.5°	42.8	45.4	66.8	193.2	511.4	583.4	2153.4	2842.4	2854.1	2252.5	1341.2
80°	27.9	27.2	38.2	90.8	348.7	530.9	1204.4	1746.3	1632.9	854.3	376.0
82.5°	11.0	11.7	20.7	51.9	145.8	480.3	687.1	939.9	735.1	166.6	108.3
85°	1.9	1.9	6.5	27.9	46.0	219.7	443.4	455.0	302.1	52.5	54.5
87.5°	0.6	0.6	1.3	1.9	3.2	5.2	19.4	9.1	5.8	9.1	10.4
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.6	2.6	2.6	1.9	1.9	1.3	0.0	0.0	0.6	0.6	0.6
5°	2.6	2.6	2.6	1.9	1.9	0.6	0.0	0.0	0.6	0.6	0.6
7.5°	2.6	2.6	2.6	1.9	1.3	0.6	0.0	0.0	0.6	0.6	0.6
10°	2.6	2.6	2.6	1.9	1.3	0.6	18.8	119.9	123.8	124.5	123.2
12.5°	16.2	16.9	9.1	1.9	1.3	111.5	110.8	92.7	81.0	76.5	70.7
15°	352.0	334.5	276.8	163.4	90.1	91.4	67.4	49.9	40.2	37.6	36.3
17.5°	348.7	323.5	254.7	149.1	156.9	68.7	36.3	40.2	52.5	53.2	53.2
20°	655.3	575.0	248.9	166.6	105.7	59.6	47.3	49.9	49.9	50.6	49.9
22.5°	683.2	602.8	372.7	212.6	75.8	62.9	53.8	46.7	48.0	62.2	60.3
25°	689.1	591.2	345.5	166.6	73.2	62.9	59.0	57.0	64.2	64.2	64.8
27.5°	993.1	831.0	418.7	125.1	72.6	65.5	65.5	59.6	57.7	57.0	57.7
30°	991.1	802.5	357.2	105.7	70.0	64.8	59.0	53.2	64.2	64.8	64.8
32.5°	1301.0	1026.1	345.5	85.6	70.0	59.6	51.9	55.1	51.2	51.2	51.2
35°	1319.1	1000.2	272.3	88.8	62.2	54.5	50.6	42.8	45.4	46.0	44.7
37.5°	1354.1	982.0	206.8	80.4	62.2	50.6	41.5	38.2	35.7	35.0	35.0
40°	1417.0	983.3	159.5	73.9	58.3	46.0	36.9	31.1	32.4	32.4	31.8
42.5°	1511.0	1002.1	125.1	68.1	52.5	40.8	31.1	27.9	25.9	25.9	25.3
45°	1635.4	1042.3	102.4	63.5	48.0	35.0	25.3	22.7	20.7	20.7	20.1
47.5°	1789.7	1098.7	89.5	59.0	42.8	29.2	20.7	18.2	16.9	16.2	16.2
50°	1954.4	1166.1	82.3	55.1	36.9	23.3	16.9	14.3	13.0	13.0	12.3
52.5°	2124.9	1243.3	76.5	52.5	31.8	19.4	13.0	10.4	9.7	9.1	9.7
55°	2262.9	1289.9	72.6	51.9	26.6	15.6	9.7	7.8	7.1	6.5	6.5
57.5°	2353.7	1315.2	67.4	48.0	21.4	11.7	7.1	5.2	4.5	4.5	4.5
60°	2425.0	1329.5	60.9	38.2	16.9	8.4	4.5	3.2	3.2	3.2	3.2
62.5°	2481.4	1339.2	51.2	29.8	13.0	5.8	3.2	1.9	1.9	1.9	1.9
65°	2648.6	1396.3	39.5	22.7	9.7	3.9	1.9	1.3	0.6	1.3	1.3
67.5°	2852.1	1420.2	29.2	16.2	7.1	2.6	1.3	0.6	0.6	0.6	1.3
70°	2771.8	1237.4	21.4	11.7	5.2	1.9	1.3	0.6	0.6	0.6	1.3
72.5°	2329.0	904.3	15.6	8.4	3.9	1.9	1.3	0.6	0.6	1.3	1.3
75°	1675.0	510.1	12.3	5.8	3.2	1.9	1.3	1.3	1.3	1.9	1.9
77.5°	788.2	189.9	12.3	5.2	3.2	1.9	1.3	1.3	1.9	2.6	1.3
80°	191.2	47.3	12.3	4.5	3.2	1.9	1.9	1.9	2.6	2.6	1.3
82.5°	64.2	20.1	9.1	3.9	3.2	1.9	1.9	2.6	2.6	3.2	1.9
85°	38.9	13.0	6.5	4.5	3.9	1.9	2.6	2.6	3.2	3.9	1.9
87.5°	6.5	5.2	4.5	4.5	3.9	2.6	2.6	3.2	3.2	3.9	2.6
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)