

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: P416514

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416514
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-PA1-70-827-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 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: 4733 lumens
Efficiency: N/A
Efficacy: 64.0 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

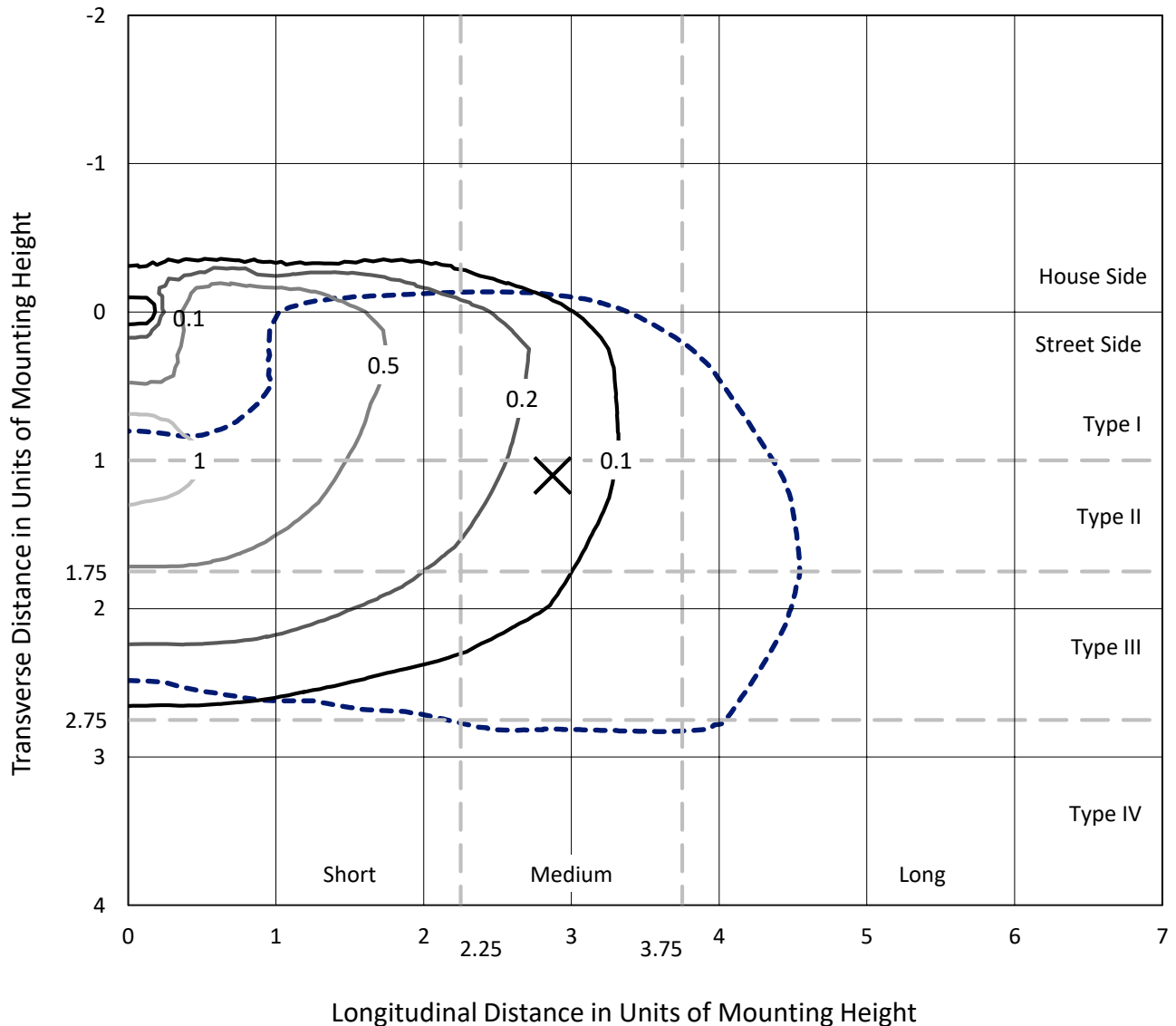


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

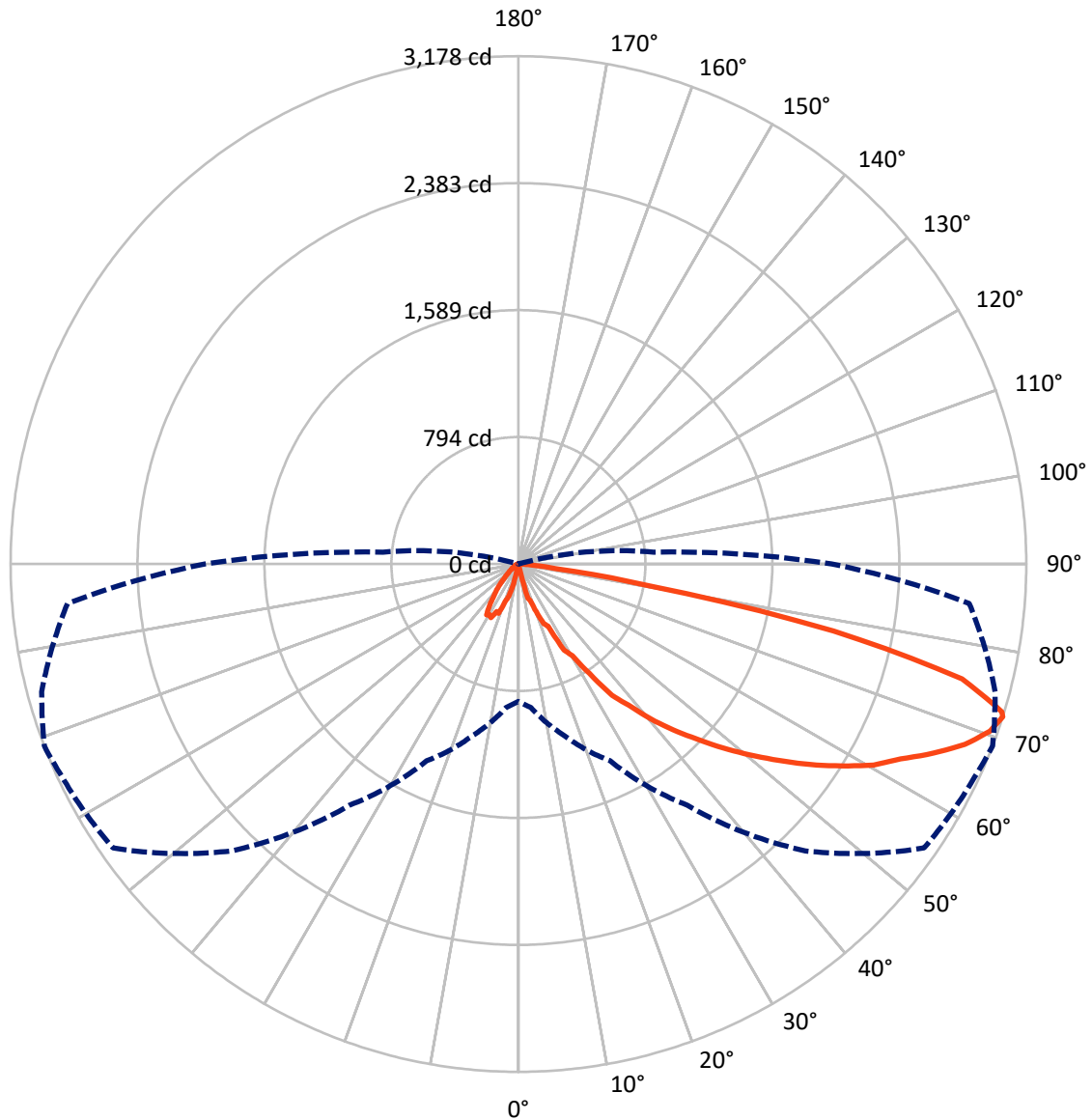


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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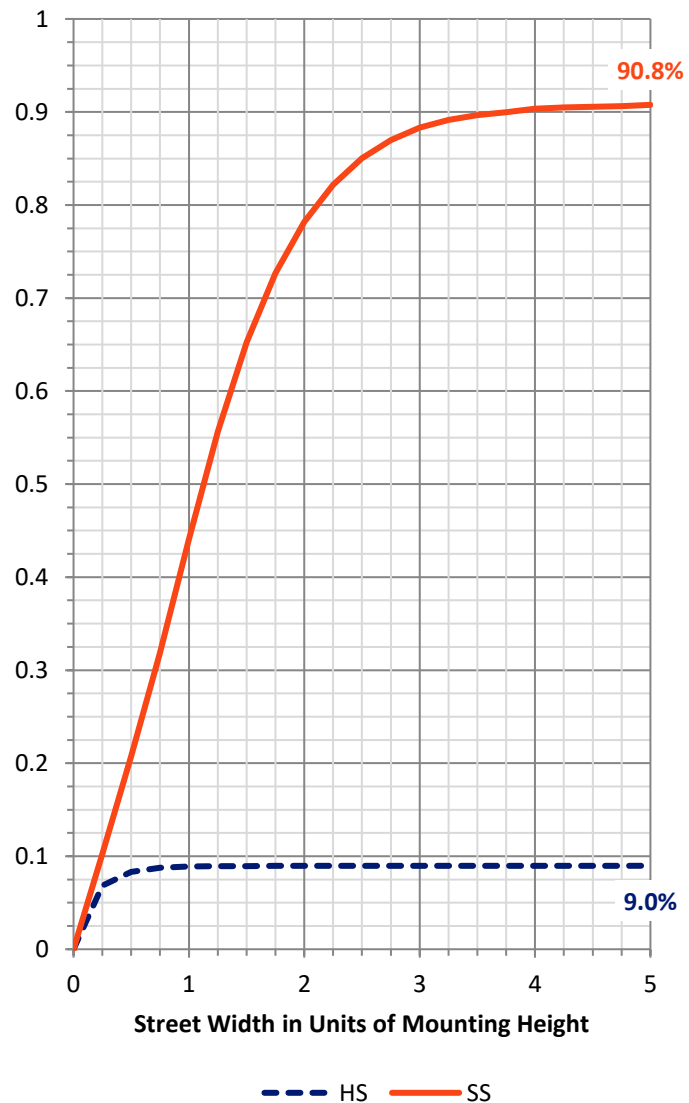
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	429.2	0.0	429.2
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	4303.8	0.0	4303.8
	% Fixture	90.9	0.0	90.9
Total	Lumens	4733.0	0.0	4733.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	41.1	0.9
20°-30°	147.4	3.1
30°-40°	376.5	8.0
40°-50°	745.0	15.7
50°-60°	1174.1	24.8
60°-70°	1365.6	28.9
70°-80°	829.0	17.5
80°-90°	51.3	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°	4733.0	100.0
0°-180°	4733.0	100.0



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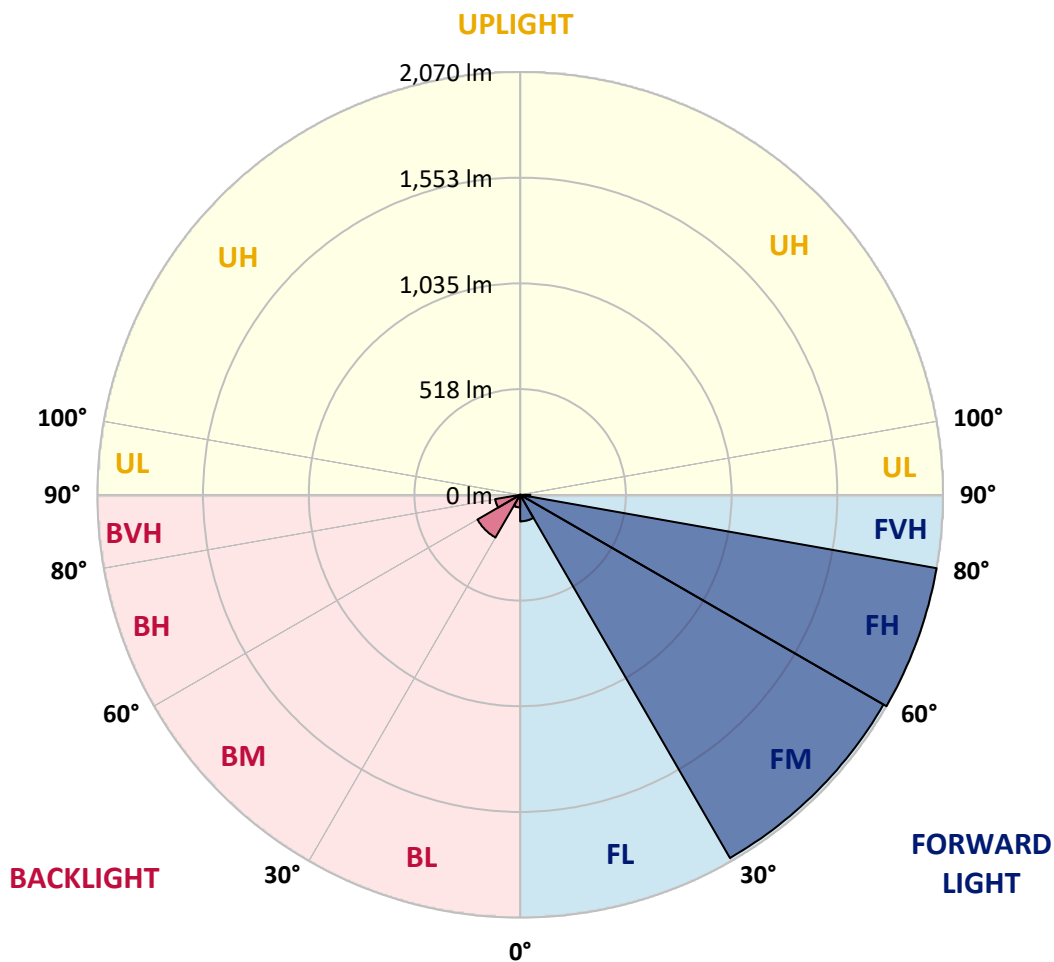
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.9	2.7			
FM	(30°-60°)	2054.0	43.4			
FH	(60°-80°)	2070.4	43.7			G2/5000
FVH	(80°-90°)	49.5	1.0			G1/100
BL	(0°-30°)	61.6	1.3	B0/110		
BM	(30°-60°)	241.6	5.1	B1/1000		
BH	(60°-80°)	124.2	2.6	B1/500		G1/500
BVH	(80°-90°)	1.8	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°	0.7	0.7	0.7	0.7	1.3	1.3	2.0	2.0	2.0	2.0	2.0
5°	65.9	43.0	32.3	26.9	13.5	3.4	2.0	2.0	2.0	2.0	2.0
7.5°	101.6	101.6	102.2	102.9	104.9	88.1	18.8	2.0	2.0	2.0	2.0
10°	98.2	97.5	97.5	98.9	101.6	104.2	106.9	14.1	3.4	2.0	2.0
12.5°	191.7	189.7	176.2	123.1	100.9	102.2	107.6	82.1	22.9	13.5	77.3
15°	189.7	189.0	190.3	193.7	195.0	109.0	159.4	216.6	221.3	149.3	180.9
17.5°	207.2	201.1	191.7	193.0	199.1	234.1	225.3	234.7	239.4	167.5	195.7
20°	286.5	285.8	287.2	225.3	210.5	296.6	261.0	254.9	316.8	331.6	367.9
22.5°	292.6	291.2	293.2	300.0	337.0	310.1	378.0	386.7	404.9	447.9	420.4
25°	409.6	409.6	336.3	313.4	384.0	350.4	468.1	439.9	430.4	480.9	540.8
27.5°	494.3	489.0	471.5	437.8	399.5	495.7	498.4	601.3	610.0	671.2	682.7
30°	626.2	618.8	572.4	546.1	495.7	521.2	581.8	714.9	666.5	715.6	765.4
32.5°	926.8	916.0	857.5	688.0	624.8	565.0	697.5	767.4	815.2	948.3	1002.8
35°	1200.5	1130.6	1050.6	921.4	757.3	734.5	752.6	951.7	1008.2	1049.2	1104.4
37.5°	1476.3	1477.6	1397.6	1084.2	957.1	848.1	907.3	1063.3	1120.5	1181.0	1230.8
40°	1697.6	1664.0	1557.0	1327.0	1129.3	1020.3	1027.7	1172.3	1273.9	1349.9	1359.9
42.5°	1980.1	1965.9	1808.6	1548.9	1351.9	1245.6	1213.3	1284.6	1419.1	1469.6	1500.5
45°	2250.4	2229.6	2095.7	1801.8	1590.0	1470.9	1426.5	1427.2	1559.7	1613.5	1657.9
47.5°	2452.9	2419.3	2347.3	2034.5	1889.3	1717.1	1624.9	1590.0	1719.1	1789.1	1813.9
50°	2664.7	2609.6	2552.4	2297.5	2147.5	1998.2	1822.0	1783.0	1876.5	1954.5	1974.7
52.5°	2806.7	2726.6	2686.9	2485.2	2378.9	2284.1	2019.1	1975.4	2041.9	2134.1	2117.9
55°	2734.7	2709.8	2752.9	2647.3	2544.4	2439.4	2233.6	2198.0	2215.5	2292.8	2254.5
57.5°	2584.7	2592.1	2719.2	2739.4	2693.0	2594.1	2426.0	2419.9	2384.3	2447.5	2397.7
60°	2428.0	2455.6	2632.5	2733.3	2767.0	2734.0	2629.1	2584.7	2553.1	2597.5	2558.5
62.5°	2218.2	2223.5	2461.0	2679.5	2738.7	2843.0	2771.0	2749.5	2684.3	2750.2	2734.0
65°	1954.5	1961.2	2184.5	2494.6	2654.0	2863.8	2882.0	2904.9	2854.4	2872.6	2923.7
67.5°	1659.9	1672.7	1867.7	2167.0	2471.7	2822.8	2974.1	3017.8	3013.8	3008.4	3058.9
70°	1343.8	1352.6	1511.3	1773.6	2177.1	2709.8	3059.5	3115.4	3130.8	3093.2	3057.5
72°	859.6	901.9	1111.8	1359.3	1842.9	2538.3	3097.9	3151.0	3177.9	3087.8	2832.2
72.5°	675.3	708.9	1027.0	1245.6	1728.5	2498.6	3090.5	3138.9	3163.8	3058.2	2736.7
75°	145.3	149.3	321.5	605.3	1090.2	1914.2	2834.2	2840.3	2867.2	2664.7	1873.8
77.5°	62.5	63.2	89.5	199.8	391.4	978.6	1961.9	2017.7	2015.7	1724.5	906.0
80°	43.7	45.1	53.1	91.5	186.3	283.2	958.4	964.5	830.0	616.8	226.0
82.5°	22.9	24.2	37.7	54.5	126.4	103.6	310.1	312.7	230.7	145.3	52.5
85°	4.0	6.1	18.2	33.0	49.1	41.7	67.9	85.4	74.0	57.8	22.2
87.5°	0.7	0.7	4.7	4.7	6.7	4.0	6.7	7.4	8.1	12.1	6.1
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.0	2.0	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0
5°	2.0	2.0	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0
7.5°	2.0	2.0	2.0	2.0	1.3	0.7	0.0	61.9	83.4	88.8	94.8
10°	2.0	2.7	2.0	2.0	1.3	84.7	104.2	105.6	106.9	106.9	106.3
12.5°	85.4	87.4	30.9	6.1	78.7	107.6	102.2	93.5	85.4	82.7	82.1
15°	182.9	183.6	166.1	143.3	152.7	101.6	80.0	90.8	92.1	88.8	88.8
17.5°	197.1	197.1	188.3	230.0	193.0	101.6	84.1	69.3	59.2	56.5	55.8
20°	390.1	341.7	276.4	233.4	157.4	113.7	59.2	50.4	49.1	49.1	51.1
22.5°	421.0	415.0	359.8	314.8	135.2	80.0	57.8	57.8	68.6	67.3	66.6
25°	549.5	541.4	407.6	273.7	135.2	68.6	73.3	64.6	63.2	61.9	60.5
27.5°	694.8	678.0	573.0	247.5	95.5	72.0	69.9	61.2	72.6	72.6	72.0
30°	790.9	727.7	577.1	222.0	80.7	76.7	65.9	71.3	64.6	60.5	60.5
32.5°	1025.0	996.1	705.5	156.7	76.7	69.3	69.3	61.2	54.5	56.5	55.8
35°	1099.0	1061.3	628.2	117.7	70.6	63.9	57.8	53.8	46.4	41.7	41.0
37.5°	1190.5	1141.4	527.3	90.8	69.3	56.5	47.8	41.0	35.6	35.6	35.0
40°	1302.8	1228.1	431.1	77.3	61.2	48.4	37.0	31.6	28.2	26.2	25.6
42.5°	1425.9	1310.2	331.6	69.9	53.1	39.7	27.6	22.9	20.8	20.2	20.2
45°	1555.7	1386.2	238.1	63.9	46.4	30.9	20.2	16.1	15.5	15.5	15.5
47.5°	1688.2	1441.3	162.1	57.8	39.0	22.9	14.8	12.1	12.1	11.4	11.4
50°	1818.0	1479.0	111.6	51.8	31.6	16.1	10.8	10.1	10.1	9.4	9.4
52.5°	1912.1	1470.3	83.4	45.1	24.9	12.1	8.7	8.1	8.1	8.1	8.1
55°	2003.6	1450.7	68.6	38.3	18.8	8.7	6.7	6.1	6.1	6.1	6.1
57.5°	2097.8	1424.5	59.2	30.9	13.5	6.7	4.7	4.7	4.7	4.7	4.7
60°	2175.8	1373.4	51.1	24.9	9.4	4.7	4.0	3.4	3.4	3.4	3.4
62.5°	2262.5	1321.6	43.7	18.8	6.7	3.4	2.7	2.0	2.0	1.3	2.0
65°	2324.4	1258.4	35.6	13.5	4.7	2.7	2.0	1.3	0.7	0.0	0.7
67.5°	2323.1	1174.3	25.6	8.7	3.4	2.0	1.3	0.7	0.0	0.0	0.0
70°	2221.5	1053.9	17.5	6.1	2.7	1.3	1.3	0.7	0.0	0.0	0.0
72°	1960.6	850.1	13.5	5.4	2.7	1.3	1.3	0.7	0.0	0.0	0.0
72.5°	1869.1	780.2	12.1	4.7	2.7	1.3	1.3	0.7	0.0	0.0	0.0
75°	1187.1	324.9	9.4	4.0	2.7	1.3	1.3	0.7	0.7	0.7	0.0
77.5°	551.5	119.0	6.7	3.4	2.0	1.3	1.3	0.7	0.7	1.3	0.0
80°	120.4	35.0	4.7	3.4	2.0	1.3	1.3	1.3	1.3	2.0	0.0
82.5°	27.6	11.4	4.0	2.7	2.0	1.3	1.3	1.3	1.3	2.0	0.0
85°	10.1	6.7	4.0	3.4	2.7	1.3	1.3	2.0	2.0	2.7	0.0
87.5°	4.0	4.0	3.4	3.4	2.7	1.3	2.0	2.0	2.7	2.7	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)