

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: P416306

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416306
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-PA1-70-730-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 5863 lumens
Efficiency: N/A
Efficacy: 79.2 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

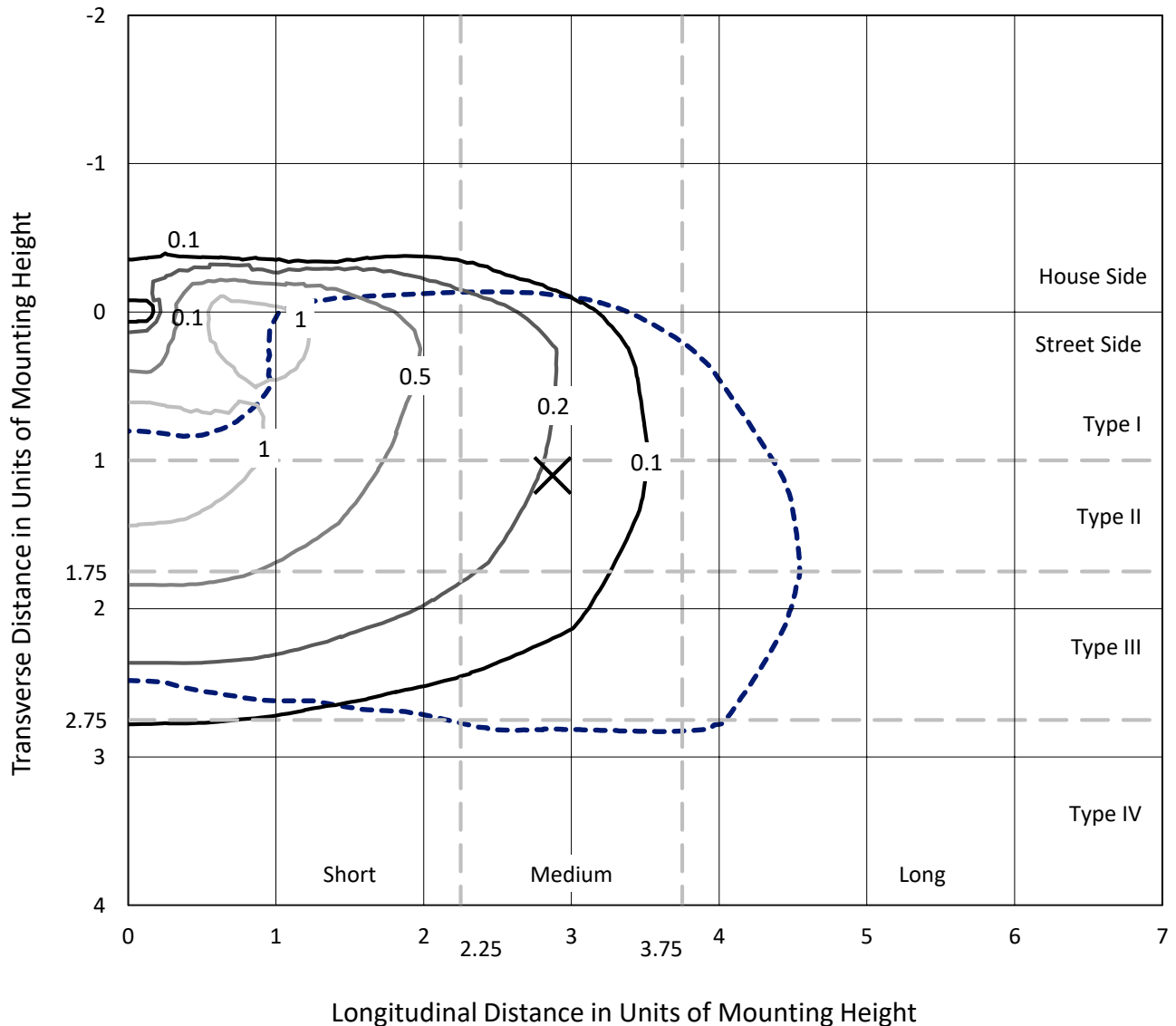
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

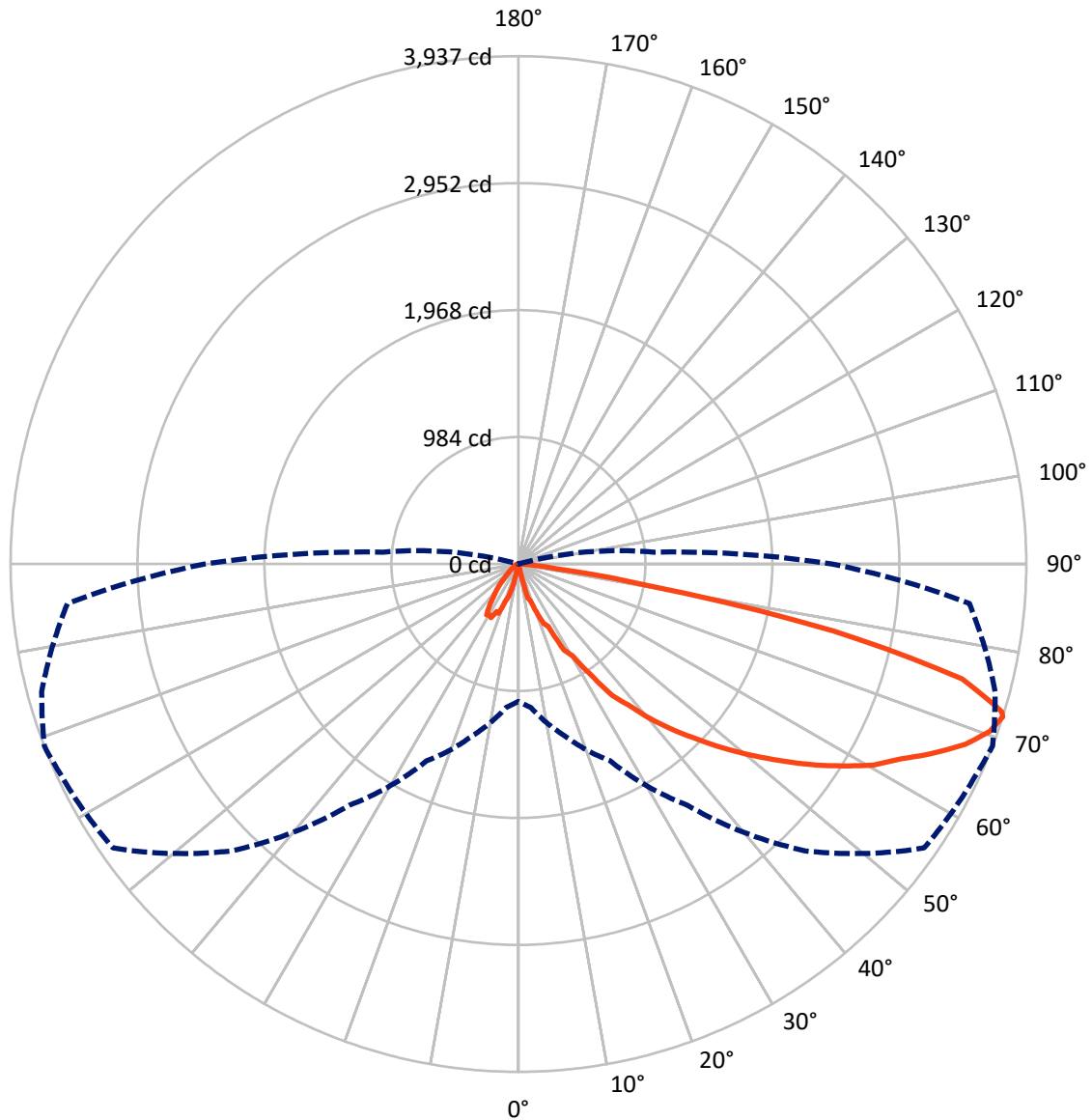


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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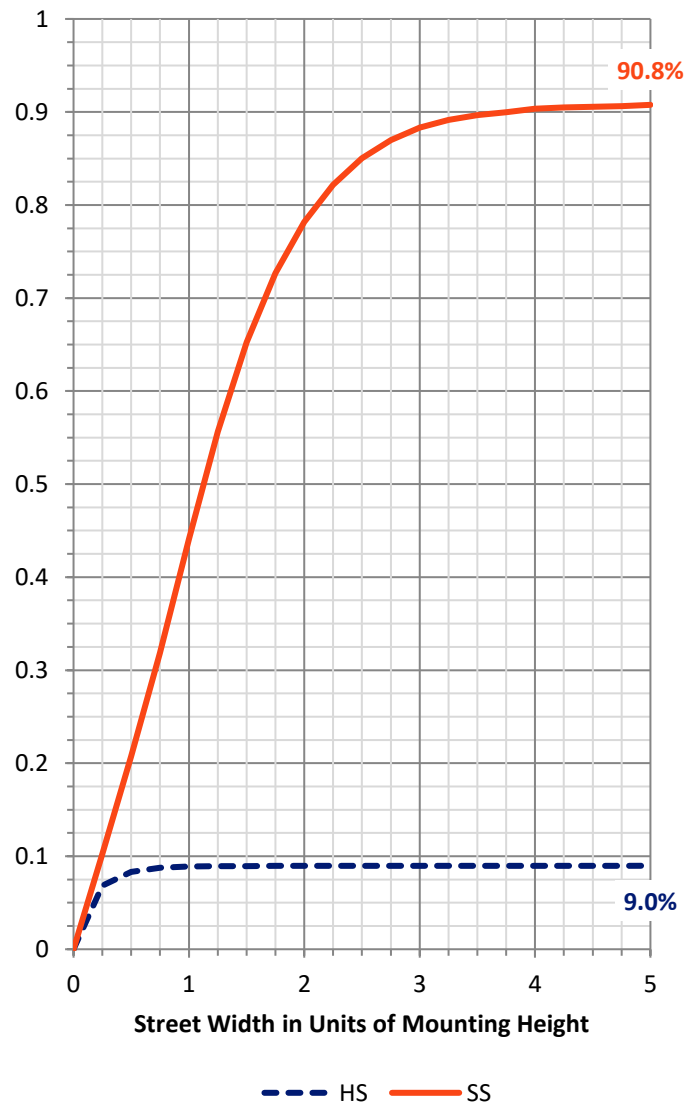
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	531.7	0.0	531.7
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	5331.3	0.0	5331.3
	% Fixture	90.9	0.0	90.9
Total	Lumens	5863.0	0.0	5863.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.1
10°-20°	50.9	0.9
20°-30°	182.6	3.1
30°-40°	466.4	8.0
40°-50°	922.9	15.7
50°-60°	1454.4	24.8
60°-70°	1691.6	28.9
70°-80°	1026.9	17.5
80°-90°	63.5	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°	5863.0	100.0
0°-180°	5863.0	100.0



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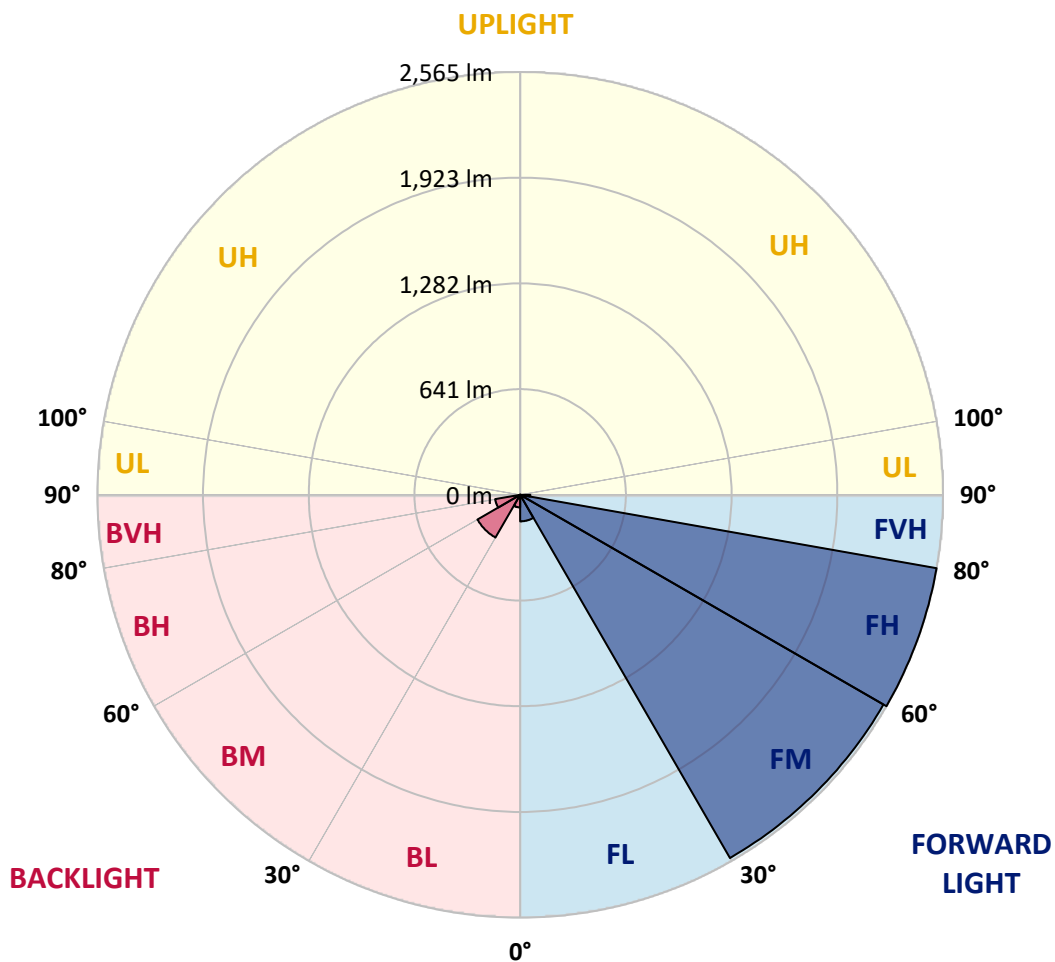
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.0	2.7			
FM	(30°-60°)	2544.4	43.4			
FH	(60°-80°)	2564.7	43.7			G2/5000
FVH	(80°-90°)	61.3	1.0			G1/100
BL	(0°-30°)	76.4	1.3	B0/110		
BM	(30°-60°)	299.3	5.1	B1/1000		
BH	(60°-80°)	153.9	2.6	B1/500		G1/500
BVH	(80°-90°)	2.2	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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.8	0.8	0.8	0.8	1.7	1.7	2.5	2.5	2.5	2.5	2.5
5°	81.6	53.3	40.0	33.3	16.7	4.2	2.5	2.5	2.5	2.5	2.5
7.5°	125.8	125.8	126.6	127.5	130.0	109.1	23.3	2.5	2.5	2.5	2.5
10°	121.6	120.8	120.8	122.5	125.8	129.1	132.5	17.5	4.2	2.5	2.5
12.5°	237.4	234.9	218.3	152.5	125.0	126.6	133.3	101.6	28.3	16.7	95.8
15°	234.9	234.1	235.8	239.9	241.6	135.0	197.5	268.3	274.1	185.0	224.1
17.5°	256.6	249.1	237.4	239.1	246.6	289.9	279.1	290.8	296.6	207.5	242.4
20°	354.9	354.1	355.8	279.1	260.8	367.4	323.3	315.8	392.4	410.7	455.7
22.5°	362.4	360.8	363.3	371.6	417.4	384.1	468.2	479.1	501.6	554.9	520.7
25°	507.4	507.4	416.6	388.2	475.7	434.1	579.9	544.9	533.2	595.7	669.9
27.5°	612.4	605.7	584.0	542.4	494.9	614.0	617.4	744.8	755.7	831.5	845.7
30°	775.7	766.5	709.0	676.5	614.0	645.7	720.7	885.6	825.7	886.5	948.1
32.5°	1148.1	1134.8	1062.3	852.3	774.0	699.8	864.0	950.6	1009.8	1174.7	1242.2
35°	1487.2	1400.5	1301.4	1141.4	938.1	909.8	932.3	1178.9	1248.9	1299.7	1368.0
37.5°	1828.8	1830.4	1731.3	1343.0	1185.6	1050.6	1123.9	1317.2	1388.0	1463.0	1524.7
40°	2102.9	2061.2	1928.7	1643.8	1398.9	1263.9	1273.1	1452.2	1578.0	1672.1	1684.6
42.5°	2452.8	2435.3	2240.3	1918.8	1674.6	1543.0	1503.0	1591.3	1758.0	1820.4	1858.8
45°	2787.7	2761.9	2596.1	2232.0	1969.6	1822.1	1767.1	1768.0	1932.1	1998.7	2053.7
47.5°	3038.5	2996.9	2907.7	2520.3	2340.3	2127.0	2012.9	1969.6	2129.5	2216.2	2247.0
50°	3301.0	3232.6	3161.8	2846.1	2660.3	2475.3	2257.0	2208.7	2324.5	2421.1	2446.1
52.5°	3476.7	3377.6	3328.4	3078.5	2946.9	2829.4	2501.1	2447.0	2529.5	2643.6	2623.6
55°	3387.6	3356.8	3410.1	3279.3	3151.8	3021.8	2766.9	2722.7	2744.4	2840.2	2792.7
57.5°	3201.8	3211.0	3368.4	3393.4	3335.9	3213.5	3005.2	2997.7	2953.5	3031.8	2970.2
60°	3007.7	3041.8	3261.0	3385.9	3427.6	3386.8	3256.8	3201.8	3162.6	3217.6	3169.3
62.5°	2747.7	2754.4	3048.5	3319.3	3392.6	3521.7	3432.6	3405.9	3325.1	3406.8	3386.8
65°	2421.1	2429.5	2706.1	3090.2	3287.6	3547.6	3570.1	3598.4	3535.9	3558.4	3621.7
67.5°	2056.2	2072.1	2313.7	2684.4	3061.8	3496.7	3684.2	3738.4	3733.4	3726.7	3789.2
70°	1664.6	1675.5	1872.1	2197.0	2696.9	3356.8	3790.0	3859.2	3878.3	3831.7	3787.5
72°	1064.8	1117.3	1377.2	1683.8	2282.8	3144.3	3837.5	3903.3	3936.6	3825.0	3508.4
72.5°	836.5	878.1	1272.2	1543.0	2141.2	3095.2	3828.3	3888.3	3919.2	3788.3	3390.1
75°	180.0	185.0	398.2	749.8	1350.5	2371.2	3510.9	3518.4	3551.7	3301.0	2321.2
77.5°	77.5	78.3	110.8	247.4	484.9	1212.2	2430.3	2499.5	2497.0	2136.2	1122.3
80°	54.2	55.8	65.8	113.3	230.8	350.8	1187.2	1194.7	1028.1	764.0	279.9
82.5°	28.3	30.0	46.7	67.5	156.6	128.3	384.1	387.4	285.8	180.0	65.0
85°	5.0	7.5	22.5	40.8	60.8	51.7	84.1	105.8	91.6	71.7	27.5
87.5°	0.8	0.8	5.8	5.8	8.3	5.0	8.3	9.2	10.0	15.0	7.5
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.0	0.0	0.0	0.0	0.0
5°	2.5	2.5	2.5	2.5	1.7	0.8	0.0	0.0	0.0	0.0	0.0
7.5°	2.5	2.5	2.5	2.5	1.7	0.8	0.0	76.7	103.3	110.0	117.5
10°	2.5	3.3	2.5	2.5	1.7	105.0	129.1	130.8	132.5	132.5	131.6
12.5°	105.8	108.3	38.3	7.5	97.5	133.3	126.6	115.8	105.8	102.5	101.6
15°	226.6	227.5	205.8	177.5	189.1	125.8	99.1	112.5	114.1	110.0	110.0
17.5°	244.1	244.1	233.3	284.9	239.1	125.8	104.1	85.8	73.3	70.0	69.2
20°	483.2	423.2	342.4	289.1	195.0	140.8	73.3	62.5	60.8	60.8	63.3
22.5°	521.6	514.1	445.7	389.9	167.5	99.1	71.7	71.7	85.0	83.3	82.5
25°	680.7	670.7	504.9	339.1	167.5	85.0	90.8	80.0	78.3	76.7	75.0
27.5°	860.6	839.8	709.8	306.6	118.3	89.1	86.6	75.8	90.0	90.0	89.1
30°	979.8	901.5	714.8	274.9	100.0	95.0	81.6	88.3	80.0	75.0	75.0
32.5°	1269.7	1233.9	874.0	194.1	95.0	85.8	85.8	75.8	67.5	70.0	69.2
35°	1361.4	1314.7	778.2	145.8	87.5	79.1	71.7	66.7	57.5	51.7	50.8
37.5°	1474.7	1413.9	653.2	112.5	85.8	70.0	59.2	50.8	44.2	44.2	43.3
40°	1613.8	1521.3	534.1	95.8	75.8	60.0	45.8	39.2	35.0	32.5	31.7
42.5°	1766.3	1623.0	410.7	86.6	65.8	49.2	34.2	28.3	25.8	25.0	25.0
45°	1927.1	1717.1	294.9	79.1	57.5	38.3	25.0	20.0	19.2	19.2	19.2
47.5°	2091.2	1785.4	200.8	71.7	48.3	28.3	18.3	15.0	15.0	14.2	14.2
50°	2252.0	1832.1	138.3	64.2	39.2	20.0	13.3	12.5	12.5	11.7	11.7
52.5°	2368.7	1821.3	103.3	55.8	30.8	15.0	10.8	10.0	10.0	10.0	10.0
55°	2482.0	1797.1	85.0	47.5	23.3	10.8	8.3	7.5	7.5	7.5	7.5
57.5°	2598.6	1764.6	73.3	38.3	16.7	8.3	5.8	5.8	5.8	5.8	5.8
60°	2695.3	1701.3	63.3	30.8	11.7	5.8	5.0	4.2	4.2	4.2	4.2
62.5°	2802.7	1637.1	54.2	23.3	8.3	4.2	3.3	2.5	2.5	1.7	2.5
65°	2879.4	1558.8	44.2	16.7	5.8	3.3	2.5	1.7	0.8	0.0	0.8
67.5°	2877.7	1454.7	31.7	10.8	4.2	2.5	1.7	0.8	0.0	0.0	0.0
70°	2751.9	1305.6	21.7	7.5	3.3	1.7	1.7	0.8	0.0	0.0	0.0
72°	2428.6	1053.1	16.7	6.7	3.3	1.7	1.7	0.8	0.0	0.0	0.0
72.5°	2315.3	966.5	15.0	5.8	3.3	1.7	1.7	0.8	0.0	0.0	0.0
75°	1470.5	402.4	11.7	5.0	3.3	1.7	1.7	0.8	0.8	0.8	0.0
77.5°	683.2	147.5	8.3	4.2	2.5	1.7	1.7	0.8	0.8	1.7	0.0
80°	149.1	43.3	5.8	4.2	2.5	1.7	1.7	1.7	1.7	2.5	0.0
82.5°	34.2	14.2	5.0	3.3	2.5	1.7	1.7	1.7	1.7	2.5	0.0
85°	12.5	8.3	5.0	4.2	3.3	1.7	1.7	2.5	2.5	3.3	0.0
87.5°	5.0	5.0	4.2	4.2	3.3	1.7	2.5	2.5	3.3	3.3	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)