

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: P417407

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-830-U-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5916 lumens
Efficiency: N/A
Efficacy: 62.9 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

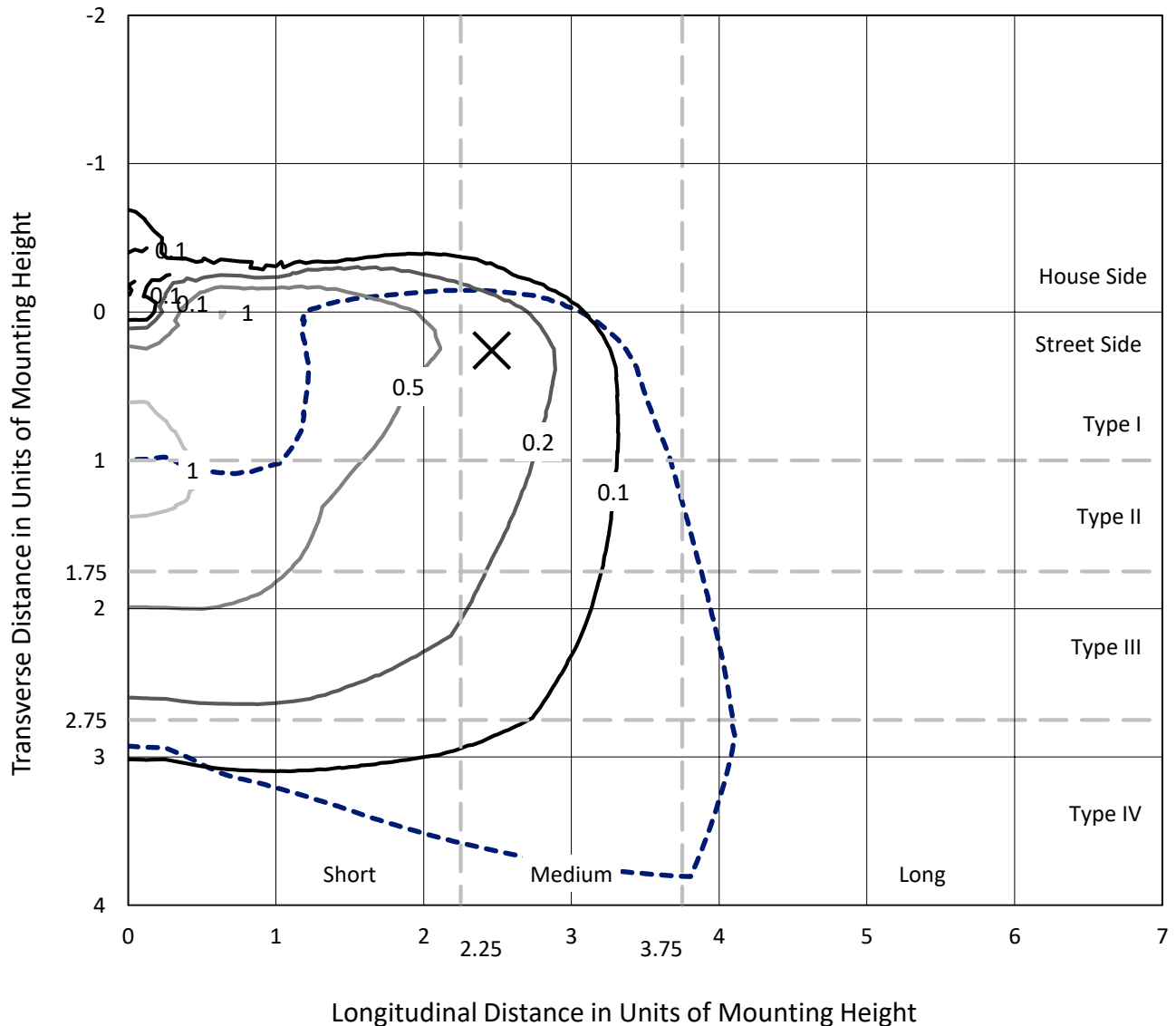
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417407
 CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

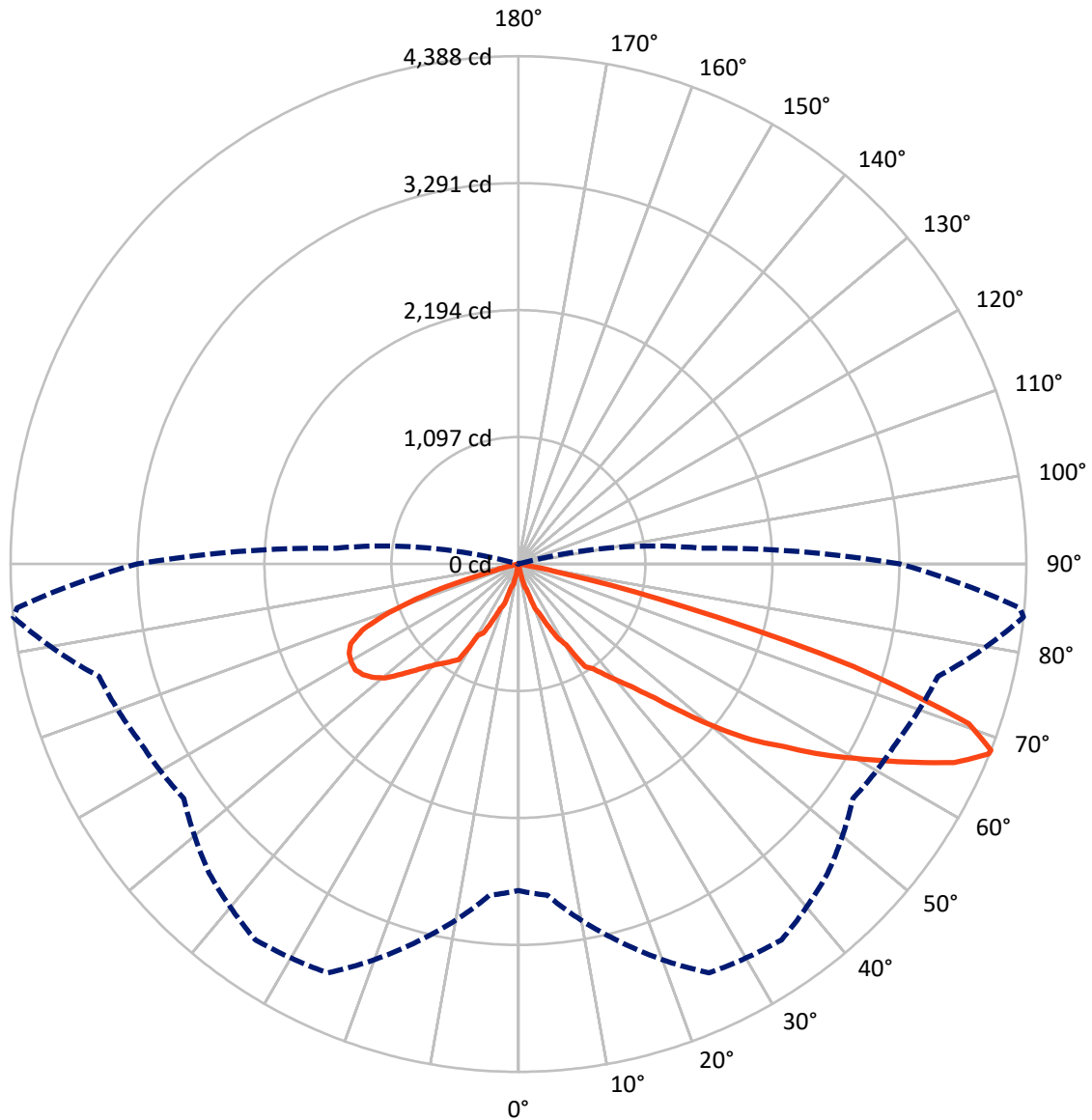
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P417407
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P417407

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T4W-HSS

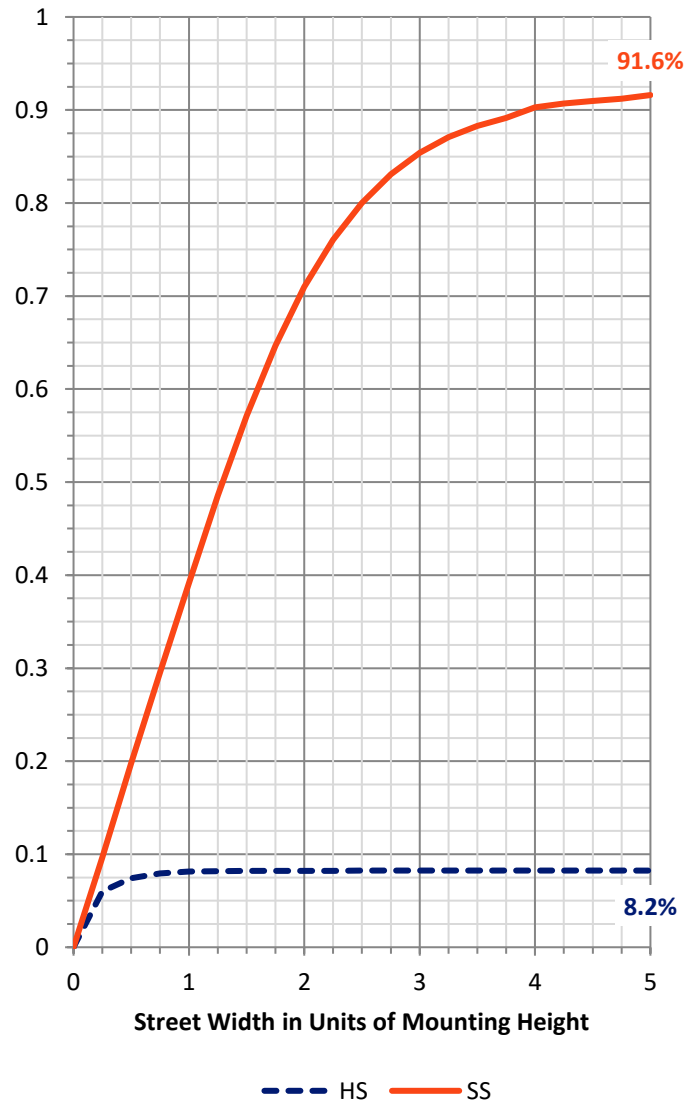
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	491.6	0.0	491.6
	% Fixture	8.3	0.0	8.3
Street Side	Lumens	5424.4	0.0	5424.4
	% Fixture	91.7	0.0	91.7
Total	Lumens	5916.0	0.0	5916.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	53.5	0.9
20°-30°	191.8	3.2
30°-40°	409.6	6.9
40°-50°	732.0	12.4
50°-60°	1298.8	22.0
60°-70°	1866.5	31.6
70°-80°	1256.5	21.2
80°-90°	103.3	1.7
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°	5916.0	100.0
0°-180°	5916.0	100.0



REPORT NUMBER: P417407

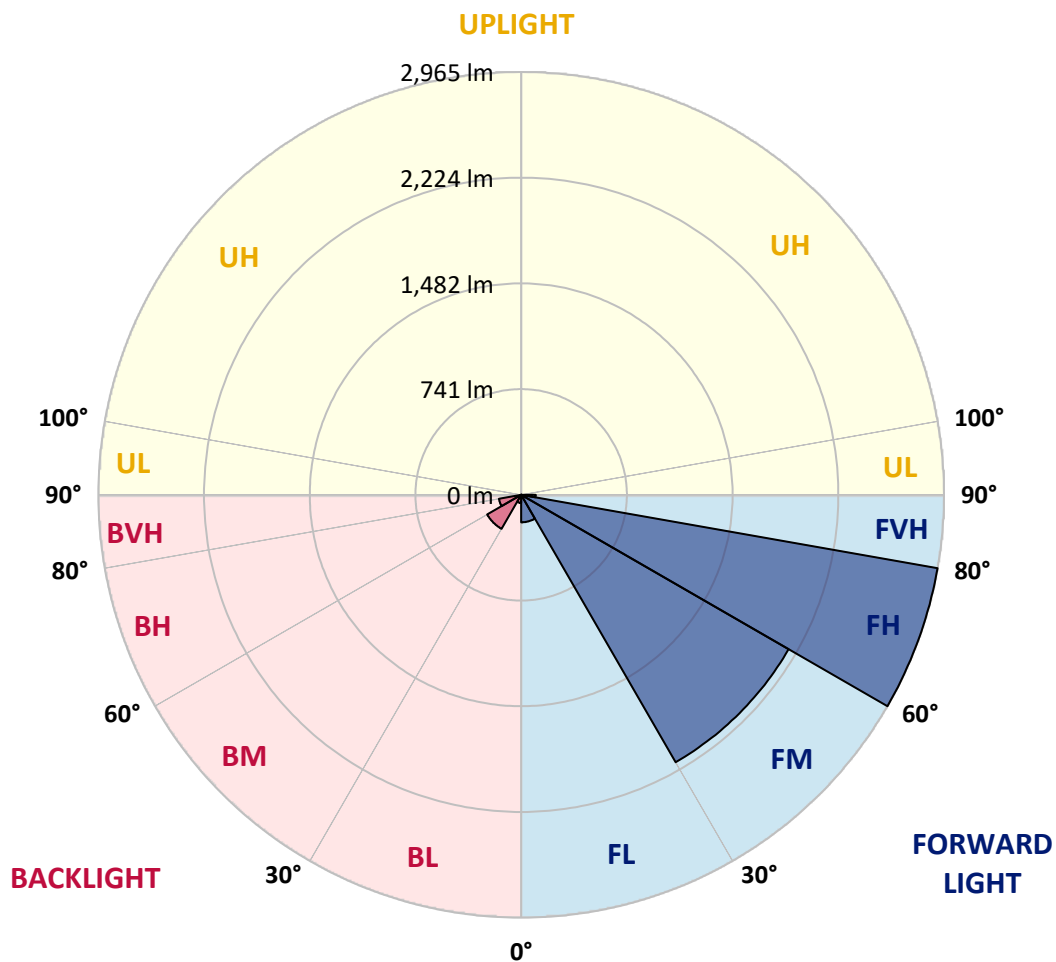
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.9	3.3			
FM	(30°-60°)	2165.0	36.6			
FH	(60°-80°)	2964.8	50.1			G2/5000
FVH	(80°-90°)	101.7	1.7			G2/225
BL	(0°-30°)	56.4	1.0	B0/110		
BM	(30°-60°)	275.4	4.7	B1/1000		
BH	(60°-80°)	158.2	2.7	B1/500		G1/500
BVH	(80°-90°)	1.6	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





REPORT NUMBER: P417407

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	0.9	0.9	0.0	0.9	0.9	1.7	1.7	2.6	2.6	2.6	2.6
5°	45.4	38.6	37.7	33.4	24.0	6.0	1.7	2.6	2.6	2.6	2.6
7.5°	162.8	160.2	158.5	155.1	151.7	116.5	23.1	2.6	2.6	2.6	2.6
10°	174.8	171.4	168.8	164.5	159.4	153.4	146.5	18.9	2.6	2.6	2.6
12.5°	361.6	357.3	247.6	204.8	168.8	160.2	155.1	80.5	74.5	84.8	96.8
15°	380.4	377.0	367.6	355.6	319.6	180.8	243.3	302.5	197.1	209.9	209.9
17.5°	424.1	417.3	384.7	366.7	352.2	387.3	355.6	323.9	212.5	225.3	225.3
20°	593.8	592.1	582.6	407.0	370.2	490.1	387.3	345.3	392.4	409.6	389.9
22.5°	598.9	597.2	590.4	567.2	581.8	503.8	556.1	521.8	535.5	467.8	464.4
25°	794.3	787.4	630.6	577.5	656.3	537.2	661.5	575.8	565.5	584.4	584.4
27.5°	808.8	807.1	802.0	768.6	673.5	760.9	681.2	745.4	760.0	722.3	742.0
30°	921.1	864.5	834.6	814.8	793.4	798.6	795.1	857.7	791.7	807.1	798.6
32.5°	1071.9	1066.8	1051.3	868.8	881.7	833.7	927.1	917.7	1023.9	1057.3	1052.2
35°	1281.8	1199.6	1099.3	1005.1	915.1	990.5	957.9	1067.6	1094.2	1109.6	1141.3
37.5°	1466.0	1439.5	1346.1	1065.9	1013.6	1019.6	1095.9	1143.9	1183.3	1210.7	1224.4
40°	1634.8	1615.1	1552.6	1245.8	1066.8	1107.0	1169.6	1196.1	1274.1	1324.7	1325.5
42.5°	1885.0	1897.0	1838.8	1408.6	1210.7	1229.6	1282.7	1287.0	1356.4	1457.5	1460.9
45°	2197.8	2181.5	2166.9	1645.1	1347.8	1335.8	1409.5	1399.2	1506.3	1648.5	1665.7
47.5°	2499.4	2476.2	2436.8	1917.6	1538.0	1454.9	1557.7	1566.3	1733.4	1915.0	1921.9
50°	2732.4	2723.9	2684.5	2234.6	1790.8	1619.4	1722.2	1823.3	2000.7	2219.2	2233.8
52.5°	2989.5	2969.8	2900.4	2531.9	2115.5	1867.0	1919.3	2096.7	2282.6	2522.5	2520.8
55°	3160.9	3163.4	3097.4	2835.3	2410.3	2147.2	2167.8	2440.3	2539.6	2784.7	2802.7
57.5°	3388.8	3369.9	3387.9	3191.7	2809.6	2431.7	2479.7	2715.3	2804.4	3106.9	3118.9
60°	3558.4	3565.3	3654.4	3520.7	3118.9	2721.3	2762.4	2939.8	3068.3	3422.2	3459.9
62.5°	3564.4	3601.3	3841.2	3850.6	3453.9	3034.9	3008.3	3169.4	3282.5	3764.9	3810.3
65°	3238.0	3260.2	3800.9	3938.0	3764.9	3342.5	3242.3	3363.1	3494.2	4135.9	4144.5
67.5°	2910.7	2917.5	3439.3	3912.3	3951.7	3711.8	3491.6	3574.7	3701.5	4380.1	4350.1
68°	2821.5	2873.0	3376.8	3897.7	3963.7	3778.6	3529.3	3615.0	3752.1	4387.8	4345.9
70°	2557.6	2612.5	3076.0	3734.9	3957.7	4030.5	3735.8	3747.8	3783.8	4129.1	3994.6
72.5°	1719.7	1756.5	2434.3	3178.8	3829.2	4323.6	3966.3	3669.0	3394.8	3027.2	2908.1
75°	661.5	665.8	1227.0	2184.9	3310.8	4177.1	3722.9	3093.2	2305.7	1473.8	1383.8
77.5°	246.8	242.5	355.6	1012.8	2101.8	3245.7	2779.6	1896.2	960.5	386.4	377.9
80°	87.4	90.0	137.9	305.0	854.3	1896.2	1547.4	772.0	282.8	85.7	78.8
82.5°	34.3	36.8	70.3	144.8	366.7	796.0	660.6	328.2	165.4	32.6	30.8
85°	7.7	8.6	27.4	72.0	139.7	230.5	232.2	200.5	137.1	15.4	14.6
87.5°	0.9	1.7	7.7	9.4	11.1	6.0	19.7	20.6	37.7	6.0	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P417407

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	2.6	2.6	2.6	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0
5°	2.6	2.6	2.6	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0
7.5°	2.6	2.6	2.6	1.7	0.9	0.9	0.0	75.4	78.0	80.5	81.4
10°	2.6	2.6	2.6	1.7	1.7	78.8	92.5	89.1	83.1	80.5	81.4
12.5°	93.4	90.8	29.1	6.0	72.0	86.5	71.1	59.1	53.1	48.8	48.8
15°	203.9	196.2	163.7	125.1	117.4	66.8	45.4	38.6	56.6	68.5	68.5
17.5°	216.8	207.4	183.4	181.6	119.1	58.3	47.1	60.8	64.3	67.7	67.7
20°	419.8	376.1	258.8	173.9	87.4	71.1	59.1	58.3	60.8	65.1	66.0
22.5°	449.8	428.4	325.6	210.8	79.7	77.1	68.5	65.1	87.4	95.1	95.1
25°	571.5	550.9	350.4	167.9	96.8	78.8	86.5	81.4	83.1	90.0	90.0
27.5°	730.9	693.2	460.1	141.4	90.0	85.7	88.3	81.4	96.0	114.0	114.0
30°	809.7	734.3	440.4	125.1	91.7	93.4	84.8	99.4	99.4	106.2	107.1
32.5°	1080.5	1028.2	496.1	105.4	91.7	85.7	92.5	94.3	92.5	120.0	120.8
35°	1149.9	1087.3	425.0	109.7	87.4	83.1	83.1	93.4	99.4	105.4	106.2
37.5°	1234.7	1153.3	334.2	102.8	90.8	80.5	76.3	79.7	87.4	102.8	103.7
40°	1342.7	1225.3	257.0	96.8	84.8	73.7	69.4	72.8	72.8	77.1	78.0
42.5°	1488.3	1311.0	190.2	92.5	79.7	67.7	60.8	56.6	54.0	53.1	54.0
45°	1688.0	1420.6	142.2	88.3	76.3	60.0	50.6	41.1	34.3	34.3	35.1
47.5°	1925.3	1543.2	115.7	81.4	71.1	51.4	38.6	26.6	21.4	22.3	23.1
50°	2178.1	1672.5	101.1	75.4	65.1	42.0	25.7	16.3	13.7	14.6	15.4
52.5°	2412.0	1756.5	95.1	69.4	57.4	32.6	16.3	11.1	10.3	10.3	11.1
55°	2646.8	1819.9	90.0	63.4	46.3	21.4	9.4	8.6	8.6	7.7	7.7
57.5°	2865.2	1857.6	81.4	54.8	32.6	12.9	6.9	6.9	6.0	6.0	6.0
60°	3065.7	1853.3	65.1	41.1	20.6	7.7	5.1	5.1	4.3	4.3	4.3
62.5°	3270.5	1834.5	46.3	29.1	13.7	5.1	3.4	3.4	2.6	1.7	2.6
65°	3393.9	1781.4	30.8	20.6	8.6	3.4	2.6	1.7	0.9	0.0	0.9
67.5°	3342.5	1627.1	23.1	15.4	6.0	2.6	1.7	0.9	0.0	0.0	0.0
68°	3295.4	1578.3	21.4	14.6	5.1	2.6	1.7	0.9	0.0	0.0	0.0
70°	2924.4	1315.2	18.9	12.0	4.3	2.6	1.7	0.9	0.0	0.0	0.0
72.5°	1951.0	854.3	15.4	9.4	3.4	1.7	1.7	0.9	0.0	0.0	0.0
75°	899.7	274.2	12.0	7.7	2.6	1.7	1.7	0.9	0.0	0.0	0.0
77.5°	239.9	58.3	7.7	5.1	2.6	1.7	1.7	0.9	0.9	0.9	0.0
80°	57.4	18.0	5.1	4.3	2.6	1.7	1.7	0.9	0.9	0.9	0.0
82.5°	21.4	9.4	3.4	3.4	2.6	1.7	1.7	0.9	1.7	1.7	0.0
85°	9.4	6.0	3.4	3.4	2.6	1.7	1.7	1.7	1.7	2.6	0.0
87.5°	4.3	4.3	3.4	3.4	3.4	1.7	2.6	2.6	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)