

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: P266064

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T2U-7027-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-17-90°)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-T2U-7027-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO
COMPETITIVE OFFERINGS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2609.8 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 40
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

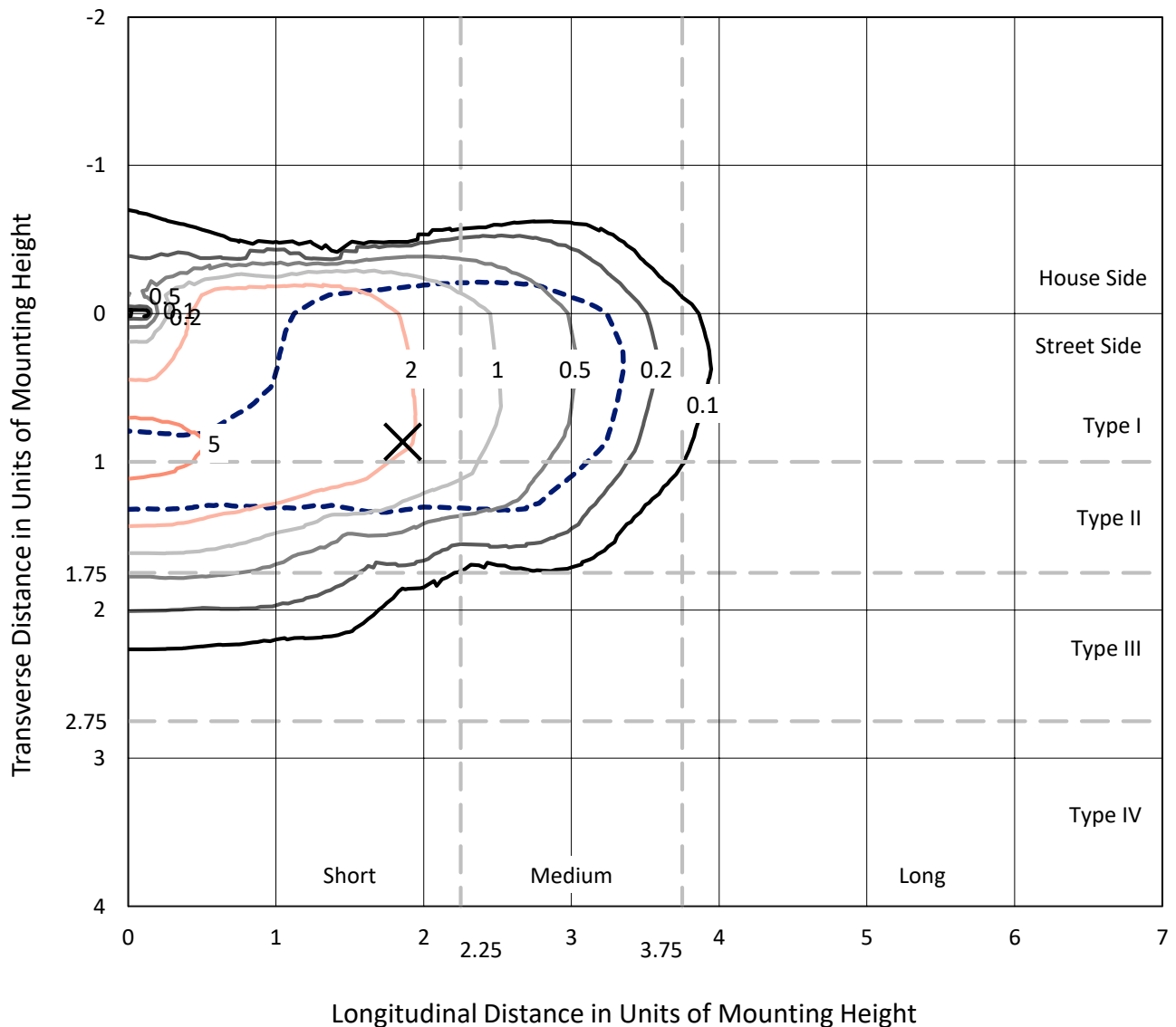


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

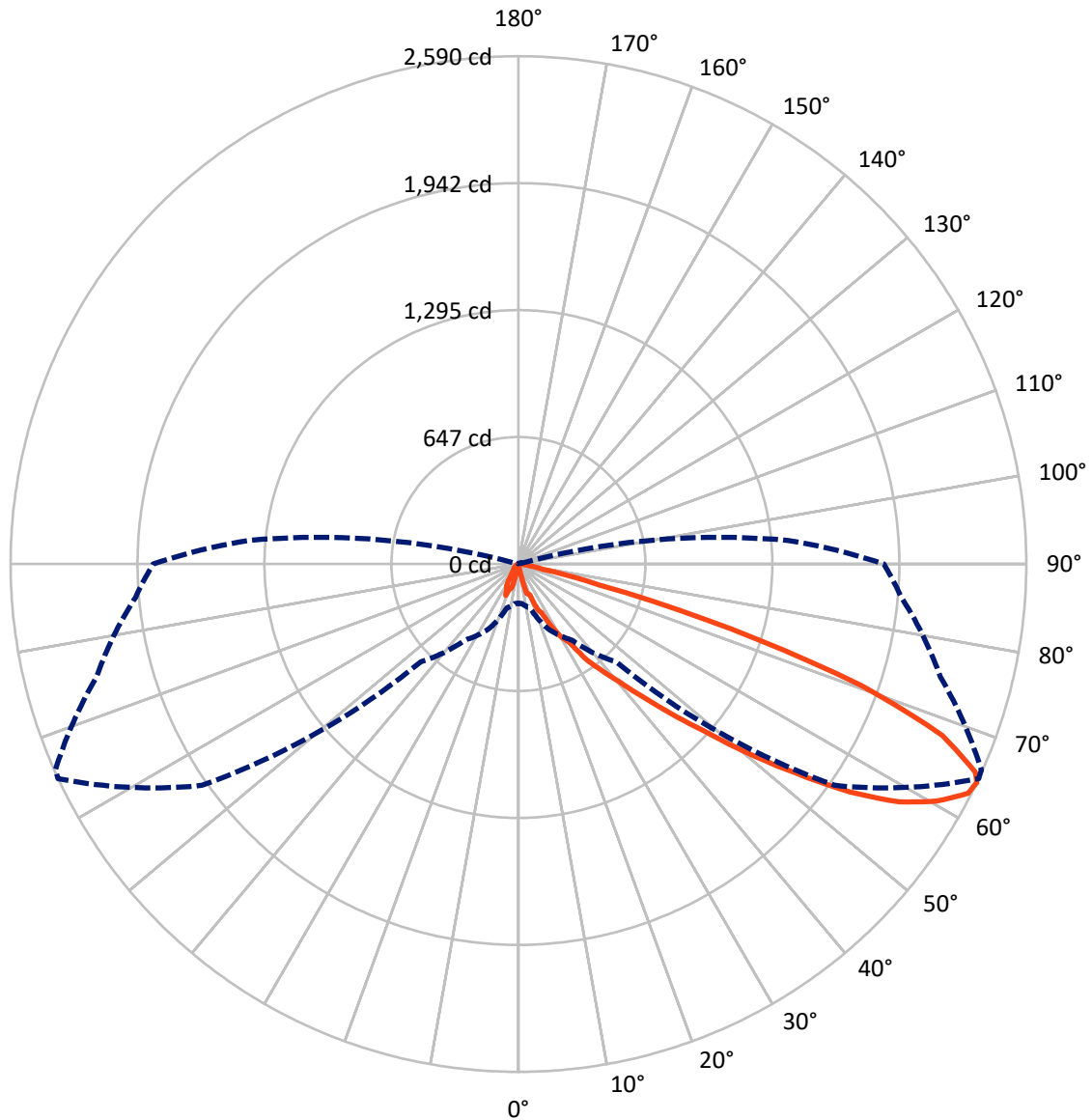


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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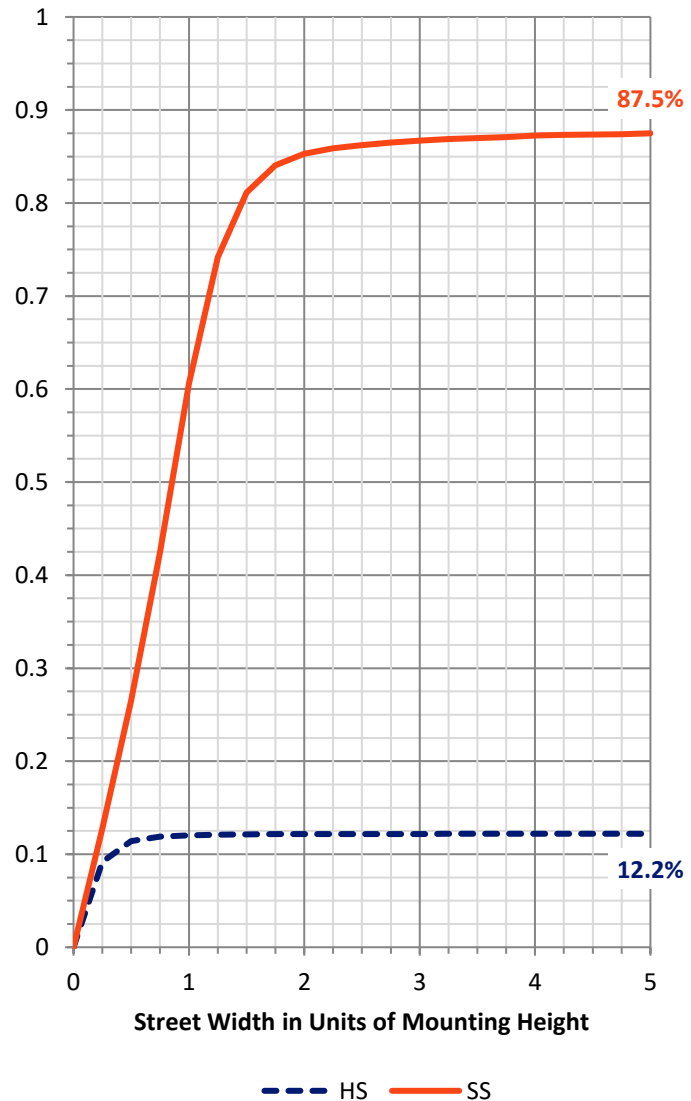
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	321.7	0.0	321.7
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	2288.0	0.0	2288.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	2609.8	0.0	2609.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	26.1	1.0
20°-30°	88.6	3.4
30°-40°	248.5	9.5
40°-50°	577.0	22.1
50°-60°	806.6	30.9
60°-70°	636.3	24.4
70°-80°	213.1	8.2
80°-90°	11.6	0.4
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°	2609.8	100.0
0°-180°	2609.8	100.0



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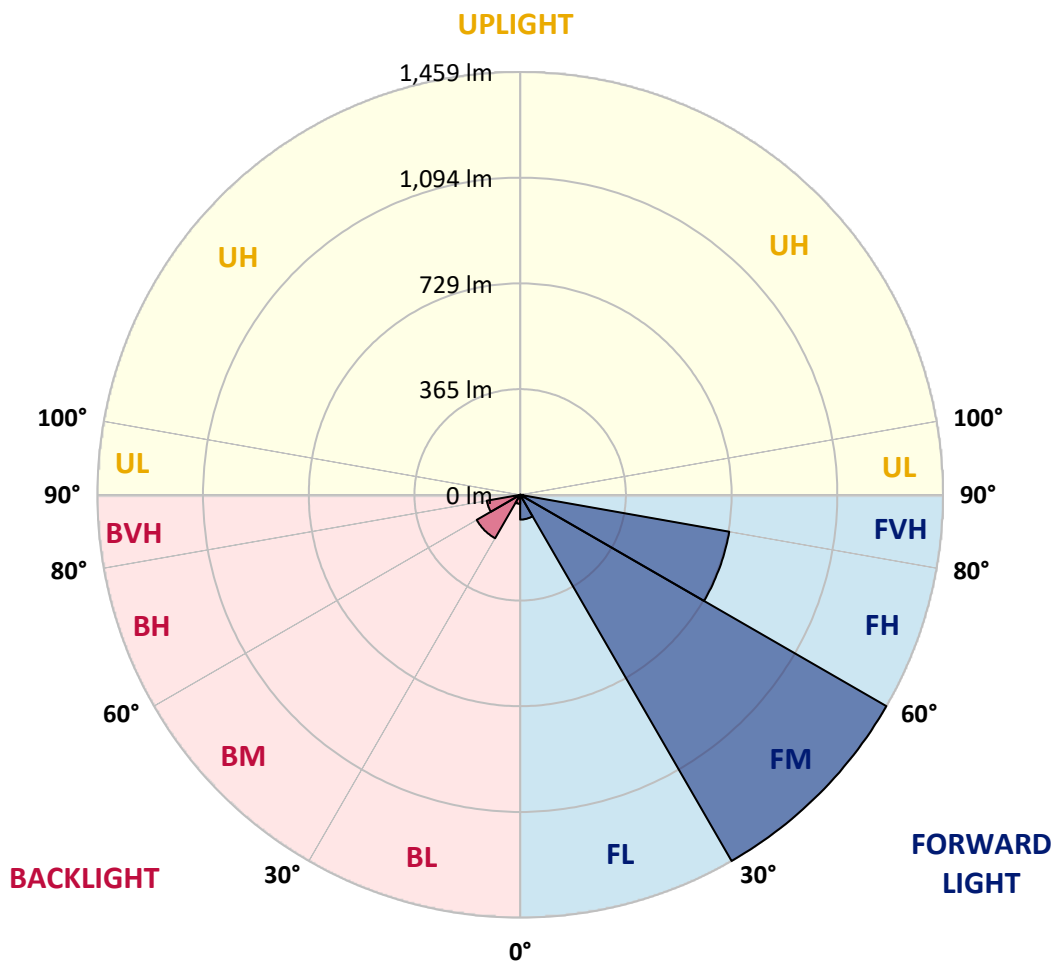
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.5	3.3			
FM (30°-60°)	1459.0	55.9			
FH (60°-80°)	732.5	28.1			G1/1800
FVH (80°-90°)	11.0	0.4			G1/100
BL (0°-30°)	31.1	1.2	B0/110		
BM (30°-60°)	173.2	6.6	B0/220		
BH (60°-80°)	116.8	4.5	B1/500		G1/500
BVH (80°-90°)	0.6	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	51.5	21.4	16.1	10.1	3.1	0.9	0.4	0.0	0.0	0.0	0.0
7.5°	74.1	73.7	73.7	74.5	75.4	68.8	5.2	0.4	0.0	0.0	0.0
10°	70.5	70.2	70.2	71.4	72.8	74.1	74.5	2.6	1.7	0.0	0.0
12.5°	141.2	140.2	135.0	80.6	72.8	73.2	74.9	50.9	30.5	11.3	54.0
15°	139.0	138.6	139.0	142.0	142.0	75.7	113.2	152.9	152.5	99.4	116.3
17.5°	142.4	140.2	139.3	141.7	145.0	167.8	165.9	160.7	161.2	105.5	119.4
20°	205.3	205.6	208.6	159.4	150.2	212.2	188.3	169.1	171.7	202.6	219.5
22.5°	208.6	208.2	212.2	219.5	258.8	217.7	252.2	253.5	259.3	265.3	235.6
25°	288.4	287.9	235.6	231.0	276.7	244.3	301.9	274.4	279.3	280.1	288.9
27.5°	326.4	322.4	324.9	326.4	291.9	343.3	312.8	362.5	347.3	383.8	366.4
30°	415.6	403.3	373.3	378.1	361.2	366.0	379.1	433.1	418.7	406.9	400.4
32.5°	607.8	600.3	570.8	470.9	438.3	398.2	460.0	473.9	475.7	556.8	555.1
35°	887.9	835.7	731.0	657.4	525.0	520.2	510.1	599.0	603.4	634.4	633.8
37.5°	1249.9	1239.4	1090.9	847.5	693.6	609.9	634.7	687.1	670.5	735.4	736.3
40°	1470.3	1460.4	1340.1	1130.1	886.2	766.8	736.7	787.3	759.3	871.7	849.9
42.5°	1629.3	1618.9	1531.3	1336.1	1167.5	1032.5	897.0	918.3	900.6	1001.2	991.5
45°	1724.3	1709.6	1672.0	1506.5	1398.9	1341.9	1128.5	1081.7	1086.1	1163.7	1153.2
47.5°	1719.1	1696.4	1706.1	1605.0	1594.5	1626.3	1416.4	1267.4	1317.0	1358.3	1331.4
50°	1583.3	1565.3	1619.4	1632.8	1722.6	1850.7	1721.3	1514.4	1576.6	1550.6	1494.3
52.5°	1331.4	1334.9	1413.4	1504.8	1744.9	2005.3	2014.1	1772.7	1857.2	1724.3	1642.5
55°	1064.8	1074.4	1160.3	1270.8	1609.0	2056.0	2258.5	2050.7	2124.3	1867.7	1749.5
57.5°	783.0	798.1	905.8	999.9	1323.6	1927.0	2379.2	2289.4	2333.3	1991.0	1833.7
60°	464.0	472.2	615.2	751.5	958.9	1544.8	2374.4	2453.6	2468.5	2118.7	1900.9
62.5°	274.1	278.4	326.4	507.2	631.7	1012.8	2193.5	2573.5	2569.2	2200.0	1946.9
64°	200.0	202.9	232.7	368.1	472.2	705.3	1967.0	2589.5	2584.3	2227.5	1960.0
65°	167.4	169.9	190.8	290.6	393.0	539.3	1715.7	2560.8	2557.4	2241.5	1959.2
67.5°	134.1	134.7	140.8	170.4	267.4	283.1	993.3	2331.2	2320.9	2255.9	1927.0
70°	120.3	122.0	132.9	134.1	195.7	185.9	349.4	1856.7	1834.1	2141.6	1851.9
72.5°	95.4	98.1	115.4	131.6	141.2	139.3	159.4	1132.4	1141.4	1573.7	1552.4
75°	66.7	69.3	87.1	109.0	111.5	102.0	115.1	425.2	419.6	777.3	902.6
77.5°	41.4	42.7	54.4	78.4	103.7	67.6	80.2	123.2	132.1	240.9	246.6
80°	27.5	27.8	34.5	51.8	71.9	60.9	47.9	62.3	63.6	75.7	37.5
82.5°	15.2	15.7	21.7	32.7	43.1	54.0	30.9	37.5	39.6	47.0	20.0
85°	5.2	5.7	11.3	18.2	26.1	26.1	20.0	22.6	23.0	29.6	10.5
87.5°	0.0	0.0	2.6	4.9	4.3	1.7	4.3	3.6	3.1	4.9	1.7
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.4	0.0	0.0	0.0	0.0	54.8	60.5	60.9	61.9
10°	0.0	0.0	0.4	0.4	0.0	58.4	61.9	60.5	57.5	56.7	55.8
12.5°	55.8	53.5	7.4	1.7	49.2	60.9	54.8	47.0	39.6	37.5	35.8
15°	115.1	113.7	101.5	111.5	69.3	52.3	38.7	41.9	35.4	33.1	32.2
17.5°	116.8	115.1	108.4	131.2	108.1	53.2	35.8	28.7	26.1	25.2	24.9
20°	221.7	215.2	157.7	128.9	82.7	54.0	27.5	23.0	21.4	23.5	24.9
22.5°	228.3	220.9	190.4	173.0	69.3	35.4	26.1	25.2	26.6	25.2	25.2
25°	287.9	266.2	209.1	142.0	61.4	31.4	29.6	23.0	21.4	20.5	20.5
27.5°	357.6	341.1	288.9	133.3	41.4	33.1	25.7	20.0	22.2	22.2	22.2
30°	382.5	359.4	291.9	116.8	36.7	30.1	21.7	21.7	19.7	18.8	18.8
32.5°	549.4	515.8	374.7	81.8	33.1	25.2	21.7	18.2	17.8	19.1	19.1
35°	612.1	572.8	365.2	60.5	29.1	23.0	18.8	17.8	17.0	17.0	17.0
37.5°	695.7	649.6	335.0	44.8	27.5	19.7	16.6	15.7	16.1	17.0	17.4
40°	805.2	749.4	310.6	37.0	23.5	17.0	14.8	15.2	15.2	15.2	15.2
42.5°	934.1	857.0	274.4	33.1	20.0	15.2	13.6	13.6	14.0	14.0	14.0
45°	1082.2	974.7	223.9	29.1	17.4	13.0	12.1	12.1	12.1	11.8	12.1
47.5°	1239.0	1101.9	169.9	25.7	14.8	11.8	10.9	10.5	10.5	10.1	10.5
50°	1395.0	1220.3	124.1	22.2	13.0	10.5	9.2	9.2	9.2	8.8	8.8
52.5°	1519.7	1300.4	88.0	19.1	11.3	9.2	7.8	7.4	7.4	6.9	6.9
55°	1624.1	1348.4	64.5	16.1	10.1	7.8	6.6	6.1	6.1	5.7	6.1
57.5°	1704.8	1378.4	48.8	13.0	8.8	6.6	5.2	4.9	4.9	4.9	4.9
60°	1772.7	1388.5	37.5	10.9	7.4	5.2	4.3	4.0	4.0	3.6	4.0
62.5°	1835.9	1385.8	30.9	9.6	6.6	4.3	3.6	3.1	2.6	2.2	2.6
64°	1862.8	1378.9	27.8	8.3	6.1	4.0	3.1	2.6	2.2	1.3	1.7
65°	1874.3	1367.9	25.7	7.4	5.7	3.6	3.1	2.6	1.3	0.9	1.3
67.5°	1864.6	1311.7	20.0	6.6	4.3	2.6	2.2	1.7	0.4	0.4	0.9
70°	1758.0	1192.4	15.2	5.7	4.0	2.2	1.7	1.3	0.9	0.4	0.9
72.5°	1380.7	857.4	11.8	4.3	3.1	1.3	1.7	1.3	0.9	0.4	0.0
75°	740.7	322.0	8.8	3.6	2.6	1.3	1.3	0.9	0.4	0.4	0.0
77.5°	190.8	101.5	6.1	2.2	2.2	0.9	0.9	0.9	0.4	0.4	0.0
80°	29.6	14.4	2.6	1.7	1.3	0.4	0.9	0.4	0.4	0.9	0.0
82.5°	12.1	5.7	1.7	1.3	1.3	0.0	0.9	0.4	0.4	0.4	0.0
85°	3.1	2.2	1.3	0.9	0.9	0.0	0.4	0.0	0.4	0.4	0.0
87.5°	0.4	0.9	0.9	0.9	0.9	0.0	0.4	0.0	0.0	0.0	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)