

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: P254194

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-7030-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254194
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-AF24-30-D-U-T2U-7030-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA 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: 2243.1 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B0 - U0 - G0

Input Watts (W): 31
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

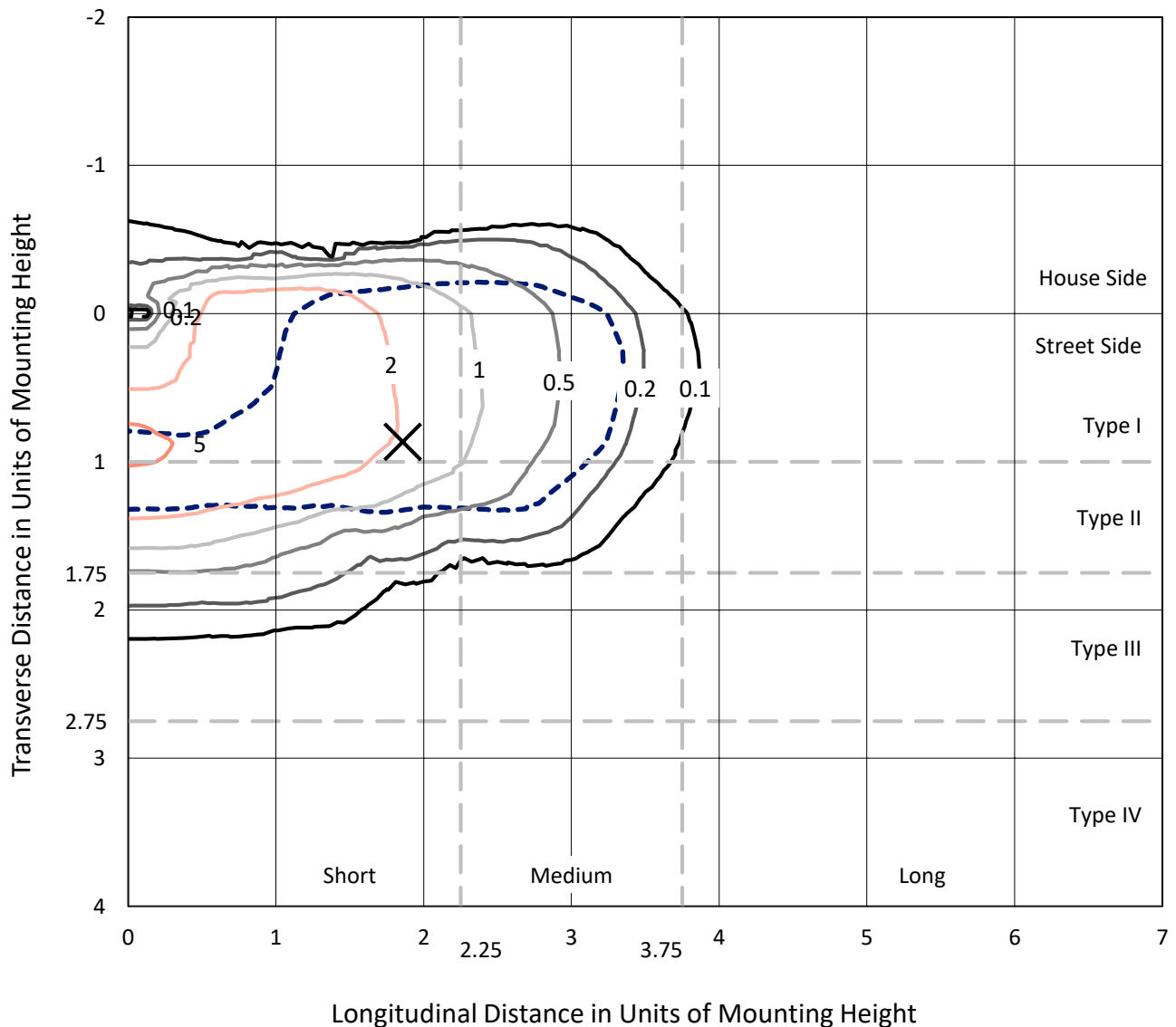


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

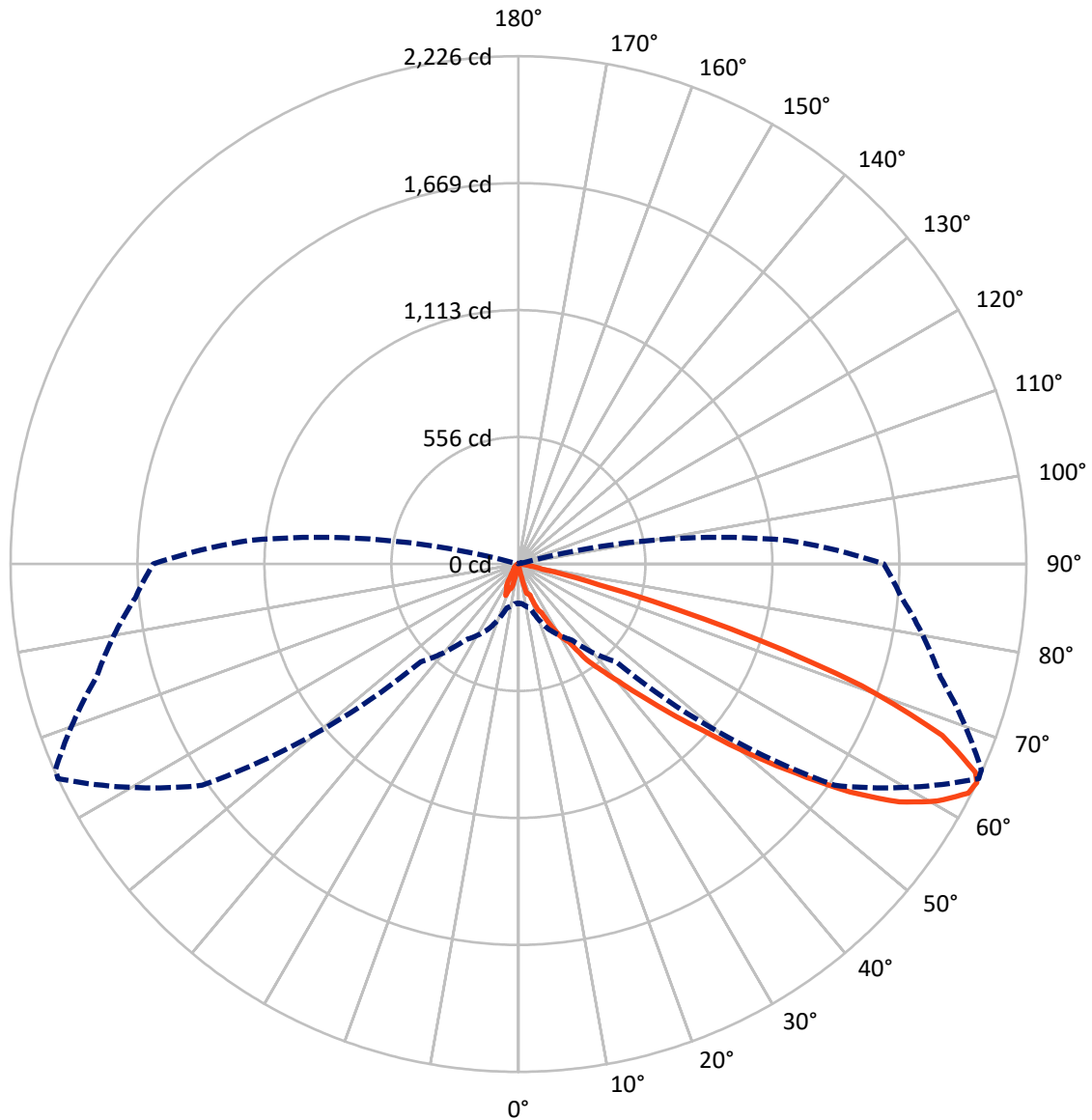


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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



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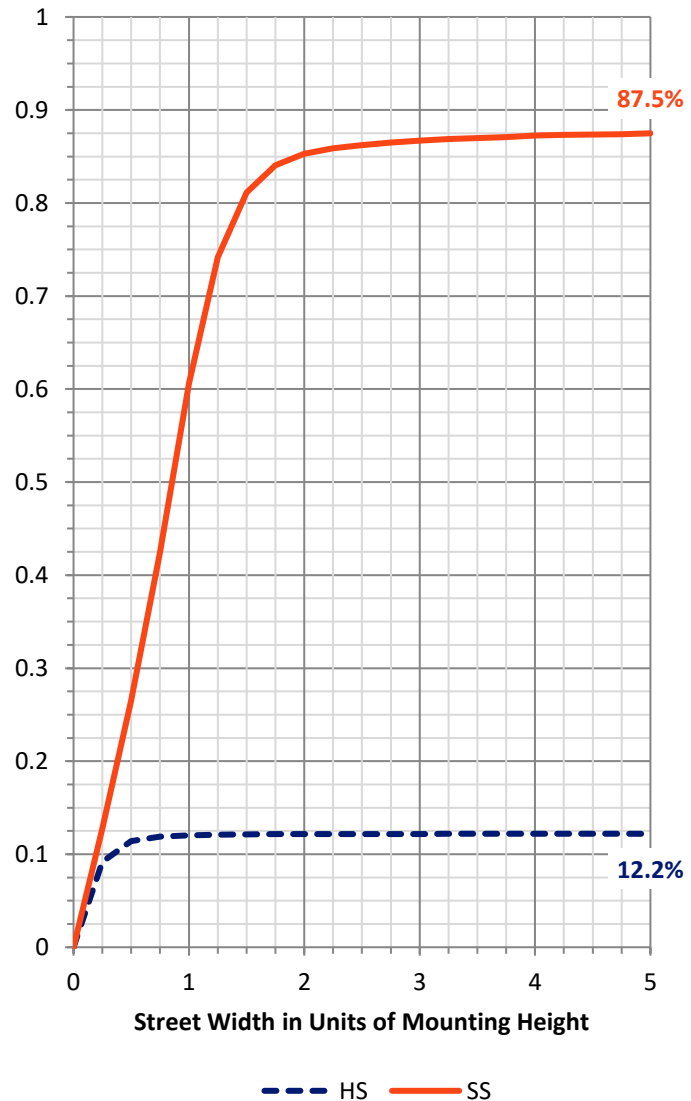
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	276.5	0.0	276.5
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	1966.6	0.0	1966.6
	% Fixture	87.7	0.0	87.7
Total	Lumens	2243.1	0.0	2243.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.7	0.1
10°-20°	22.4	1.0
20°-30°	76.1	3.4
30°-40°	213.6	9.5
40°-50°	496.0	22.1
50°-60°	693.3	30.9
60°-70°	546.9	24.4
70°-80°	183.1	8.2
80°-90°	10.0	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°	2243.1	100.0
0°-180°	2243.1	100.0



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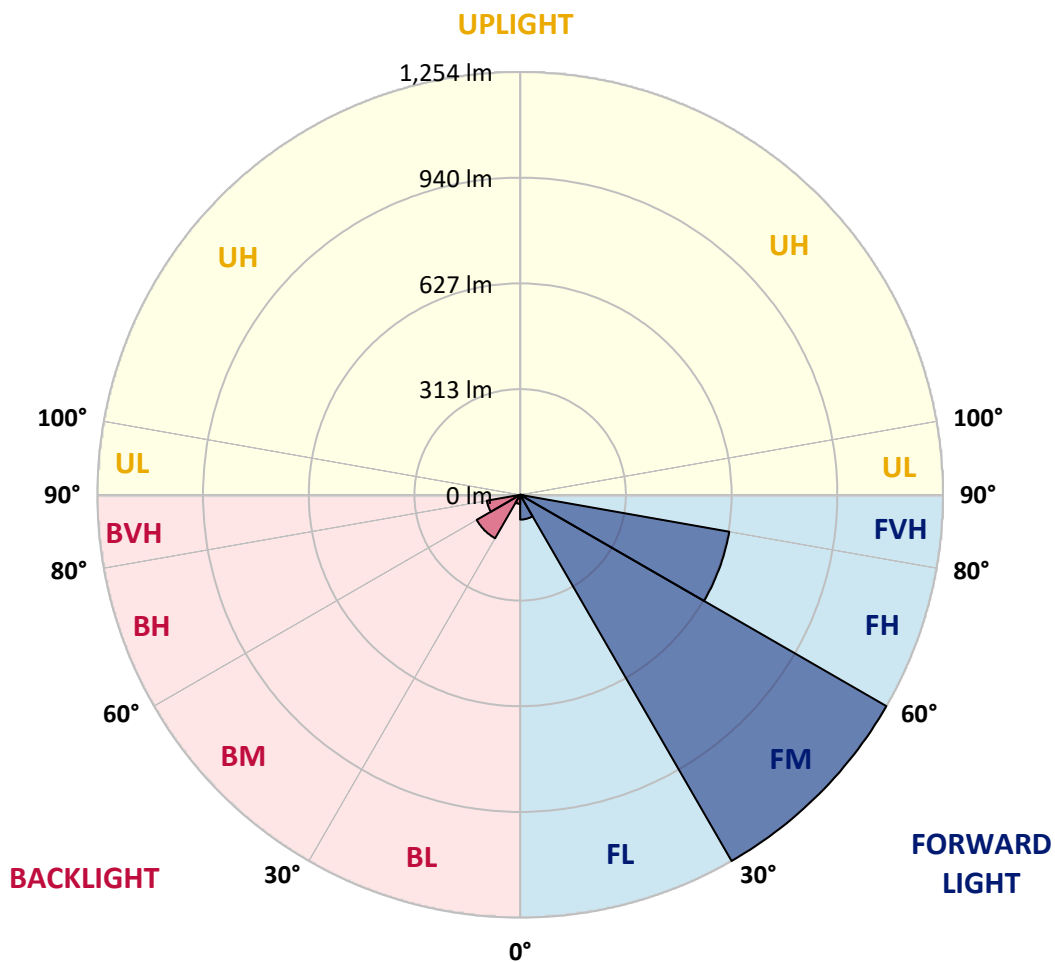
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.5	3.3			
FM	(30°-60°)	1254.0	55.9			
FH	(60°-80°)	629.6	28.1			G0/660
FVH	(80°-90°)	9.5	0.4			G0/10
BL	(0°-30°)	26.8	1.2	B0/110		
BM	(30°-60°)	148.9	6.6	B0/220		
BH	(60°-80°)	100.4	4.5	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

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°	44.1	18.3	13.8	8.6	2.6	0.8	0.3	0.0	0.0	0.0	0.0
7.5°	63.7	63.3	63.3	64.0	64.8	59.1	4.5	0.3	0.0	0.0	0.0
10°	60.6	60.3	60.3	61.4	62.5	63.7	64.0	2.3	1.5	0.0	0.0
12.5°	121.3	120.6	116.1	69.3	62.5	63.0	64.4	43.8	26.2	9.8	46.4
15°	119.4	119.1	119.4	122.1	122.1	65.1	97.4	131.4	131.1	85.3	100.0
17.5°	122.5	120.6	119.8	121.8	124.7	144.1	142.7	138.2	138.5	90.5	102.6
20°	176.4	176.8	179.4	137.0	129.2	182.4	161.8	145.4	147.5	174.2	188.7
22.5°	179.4	178.9	182.4	188.7	222.5	187.3	216.8	218.0	222.8	228.1	202.5
25°	247.9	247.5	202.5	198.5	237.7	210.1	259.5	235.9	240.1	240.8	248.2
27.5°	280.5	277.1	279.3	280.5	250.9	295.1	268.9	311.5	298.4	329.9	314.8
30°	357.3	346.8	320.9	325.0	310.4	314.5	325.8	372.2	359.9	349.7	344.1
32.5°	522.4	516.0	490.6	404.8	376.7	342.2	395.4	407.4	408.8	478.5	477.0
35°	763.1	718.2	628.4	565.1	451.2	447.1	438.4	514.8	518.7	545.2	544.8
37.5°	1074.3	1065.3	937.7	728.3	596.1	524.2	545.5	590.5	576.3	632.1	632.8
40°	1263.8	1255.2	1151.8	971.4	761.6	659.1	633.1	676.7	652.8	749.3	730.5
42.5°	1400.4	1391.4	1316.2	1148.5	1003.5	887.4	771.1	789.4	774.0	860.5	852.2
45°	1482.1	1469.3	1437.2	1294.8	1202.4	1153.3	969.7	929.8	933.5	1000.2	991.2
47.5°	1477.6	1458.2	1466.4	1379.5	1370.5	1397.9	1217.3	1089.4	1131.9	1167.6	1144.4
50°	1360.8	1345.4	1391.9	1403.4	1480.6	1590.7	1479.5	1301.6	1355.2	1332.6	1284.4
52.5°	1144.4	1147.3	1214.8	1293.4	1499.7	1723.6	1731.1	1523.6	1596.3	1482.1	1411.7
55°	915.1	923.4	997.2	1092.3	1382.9	1767.0	1941.2	1762.6	1825.8	1605.2	1503.9
57.5°	672.9	686.0	778.5	859.4	1137.6	1656.2	2044.9	1967.8	2005.6	1711.2	1576.1
60°	398.8	405.9	528.7	645.9	824.2	1327.8	2040.8	2108.9	2121.6	1821.0	1633.8
62.5°	235.6	239.3	280.5	435.8	542.9	870.6	1885.4	2211.9	2208.1	1891.0	1673.5
64°	171.9	174.5	200.0	316.5	405.9	606.3	1690.7	2225.7	2221.2	1914.5	1684.7
65°	143.7	146.1	164.0	249.7	337.7	463.6	1474.6	2201.0	2198.1	1926.6	1683.9
67.5°	115.4	115.7	121.0	146.4	229.9	243.4	853.8	2003.7	1994.7	1939.0	1656.2
70°	103.4	104.9	114.1	115.4	168.2	159.8	300.4	1596.0	1576.4	1840.8	1591.8
72.5°	82.1	84.2	99.2	113.1	121.3	119.8	137.0	973.2	981.0	1352.5	1334.2
75°	57.3	59.5	74.9	93.6	95.8	87.6	98.9	365.5	360.5	668.0	775.8
77.5°	35.6	36.7	46.8	67.4	89.1	58.0	69.0	106.0	113.4	207.0	212.0
80°	23.6	23.9	29.6	44.6	61.7	52.5	41.2	53.5	54.6	65.1	32.2
82.5°	13.1	13.4	18.7	28.1	37.0	46.4	26.6	32.2	34.1	40.4	17.3
85°	4.5	4.9	9.8	15.8	22.5	22.5	17.3	19.4	19.8	25.4	9.0
87.5°	0.0	0.0	2.3	4.2	3.8	1.5	3.8	2.9	2.6	4.2	1.5
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°	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	0.3	0.0	0.0	0.0	0.0	47.2	52.0	52.5	53.2
10°	0.0	0.0	0.3	0.3	0.0	50.1	53.2	52.0	49.3	48.7	48.0
12.5°	48.0	46.1	6.3	1.5	42.3	52.5	47.2	40.4	34.1	32.2	30.7
15°	98.9	97.7	87.3	95.8	59.5	44.9	33.4	35.9	30.4	28.4	27.8
17.5°	100.3	98.9	93.2	112.7	92.9	45.7	30.7	24.7	22.5	21.8	21.3
20°	190.5	184.9	135.6	110.8	71.1	46.4	23.6	19.8	18.3	20.2	21.3
22.5°	196.2	189.9	163.7	148.7	59.5	30.4	22.5	21.8	22.8	21.8	21.8
25°	247.5	228.8	179.7	122.1	52.8	27.0	25.4	19.8	18.3	17.6	17.6
27.5°	307.4	293.2	248.2	114.6	35.6	28.4	22.1	17.3	19.1	19.1	19.1
30°	328.8	308.8	250.9	100.3	31.4	25.7	18.7	18.7	16.8	16.1	16.1
32.5°	472.2	443.4	322.0	70.4	28.4	21.8	18.7	15.8	15.4	16.5	16.5
35°	526.1	492.4	313.8	52.0	25.1	19.8	16.1	15.4	14.6	14.6	14.6
37.5°	597.9	558.4	288.0	38.6	23.6	16.8	14.2	13.4	13.8	14.6	15.0
40°	691.9	644.1	267.0	31.8	20.2	14.6	12.8	13.1	13.1	13.1	13.1
42.5°	802.8	736.5	235.9	28.4	17.3	13.1	11.6	11.6	12.0	12.0	12.0
45°	930.2	837.7	192.6	25.1	15.0	11.3	10.5	10.5	10.5	10.2	10.5
47.5°	1065.0	947.0	146.1	22.1	12.8	10.2	9.4	9.0	9.0	8.6	9.0
50°	1199.0	1048.9	106.7	19.1	11.3	9.0	7.8	7.8	7.8	7.5	7.5
52.5°	1306.0	1117.7	75.6	16.5	9.8	7.8	6.8	6.3	6.3	6.0	6.0
55°	1396.0	1158.9	55.4	13.8	8.6	6.8	5.6	5.3	5.3	4.9	5.3
57.5°	1465.2	1184.8	41.9	11.3	7.5	5.6	4.5	4.2	4.2	4.2	4.2
60°	1523.6	1193.3	32.2	9.4	6.3	4.5	3.8	3.4	3.4	2.9	3.4
62.5°	1577.9	1191.2	26.6	8.2	5.6	3.8	2.9	2.6	2.3	1.8	2.3
64°	1601.2	1185.1	23.9	7.1	5.3	3.4	2.6	2.3	1.8	1.1	1.5
65°	1610.9	1175.7	22.1	6.3	4.9	2.9	2.6	2.3	1.1	0.8	1.1
67.5°	1602.7	1127.4	17.3	5.6	3.8	2.3	1.8	1.5	0.3	0.3	0.8
70°	1510.9	1024.9	13.1	4.9	3.4	1.8	1.5	1.1	0.8	0.3	0.8
72.5°	1186.7	737.0	10.2	3.8	2.6	1.1	1.5	1.1	0.8	0.3	0.0
75°	636.6	276.8	7.5	2.9	2.3	1.1	1.1	0.8	0.3	0.3	0.0
77.5°	164.0	87.3	5.3	1.8	1.8	0.8	0.8	0.8	0.3	0.3	0.0
80°	25.4	12.3	2.3	1.5	1.1	0.3	0.8	0.3	0.3	0.8	0.0
82.5°	10.5	4.9	1.5	1.1	1.1	0.0	0.8	0.3	0.3	0.3	0.0
85°	2.6	1.8	1.1	0.8	0.8	0.0	0.3	0.0	0.3	0.3	0.0
87.5°	0.3	0.8	0.8	0.8	0.8	0.0	0.3	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)