

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: P415734

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415734
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-PA1-50-830-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA 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: 3948 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 54
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

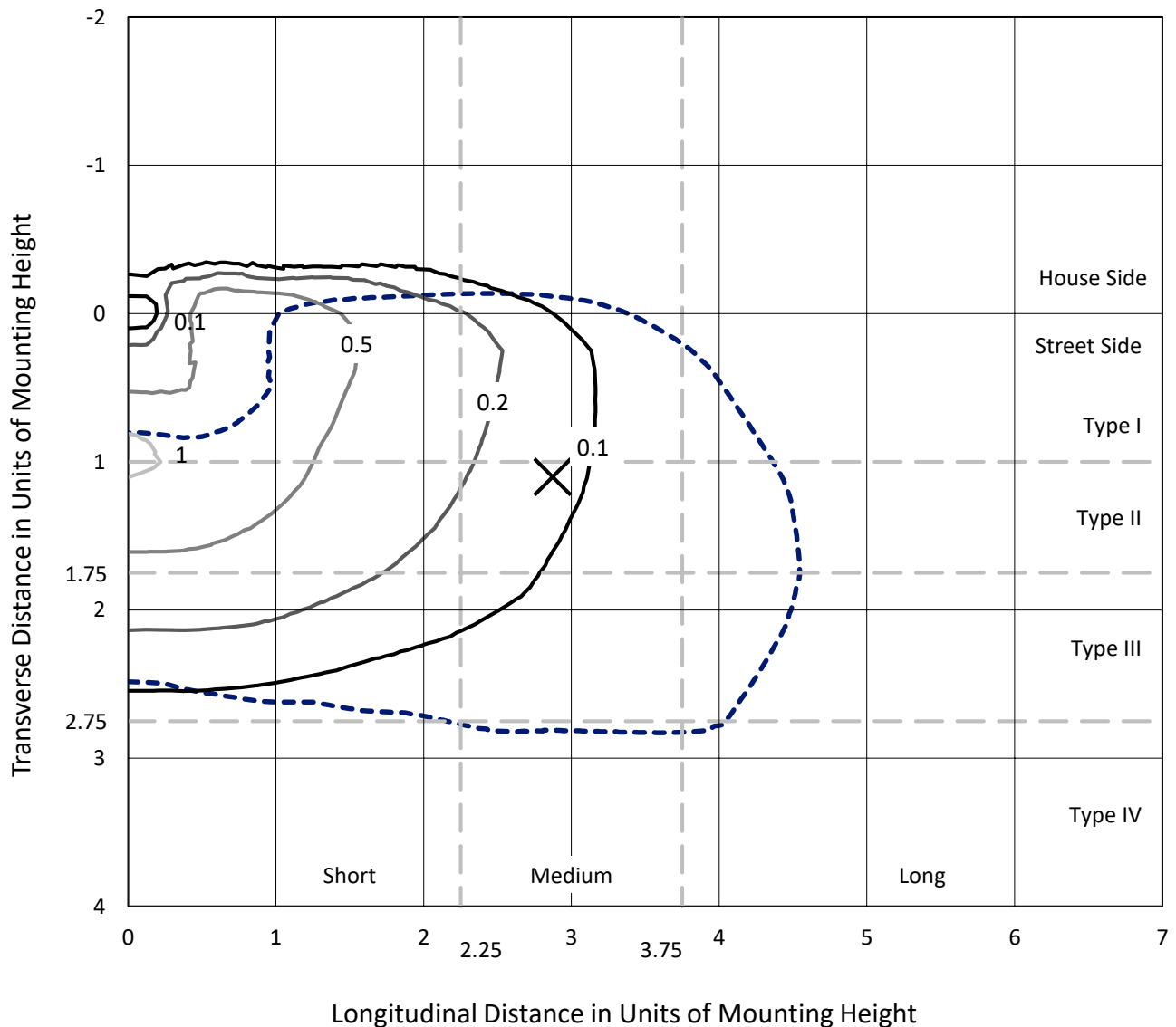


REPORT NUMBER: P415734

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

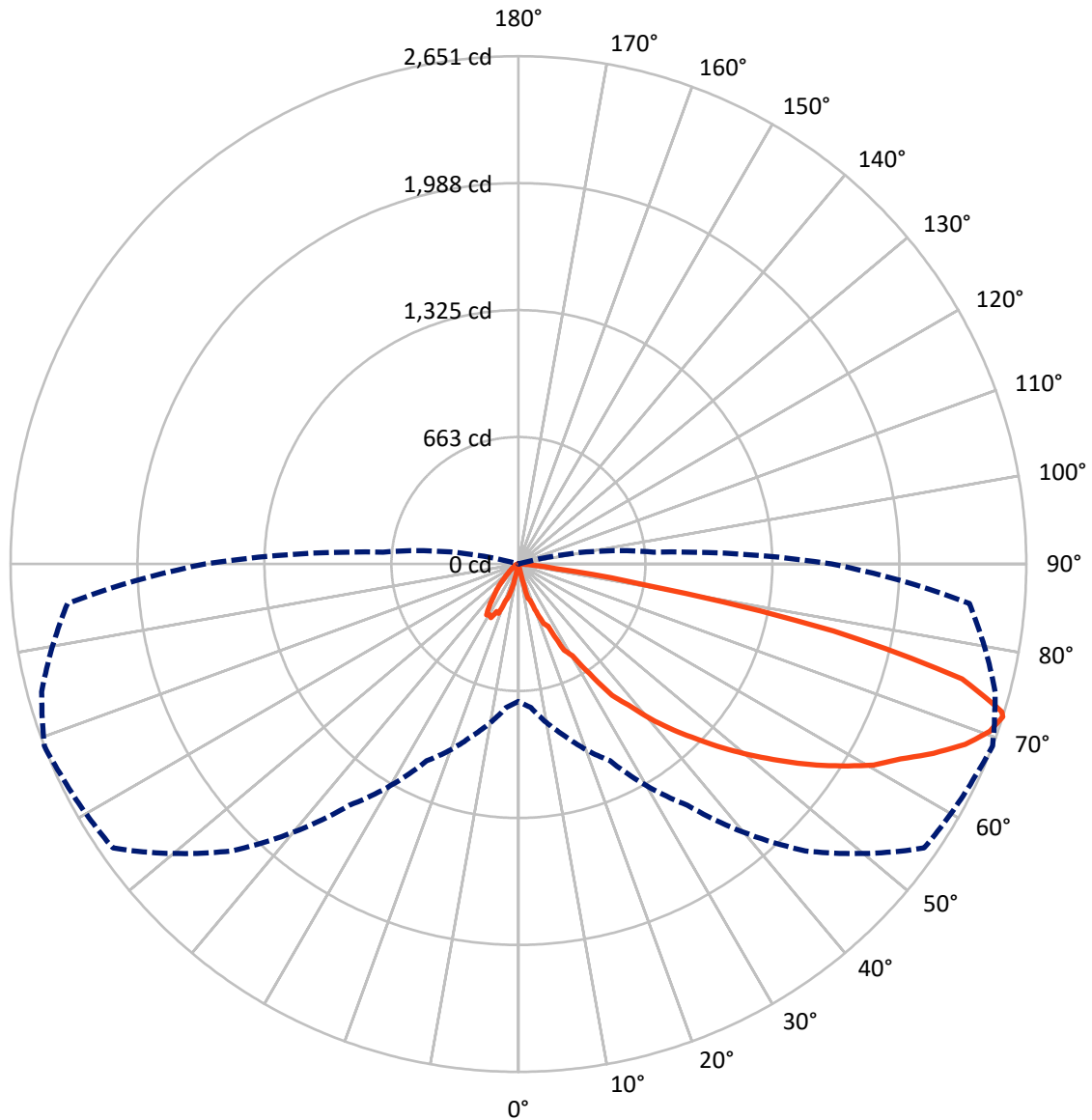


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415734

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P415734

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-HSS

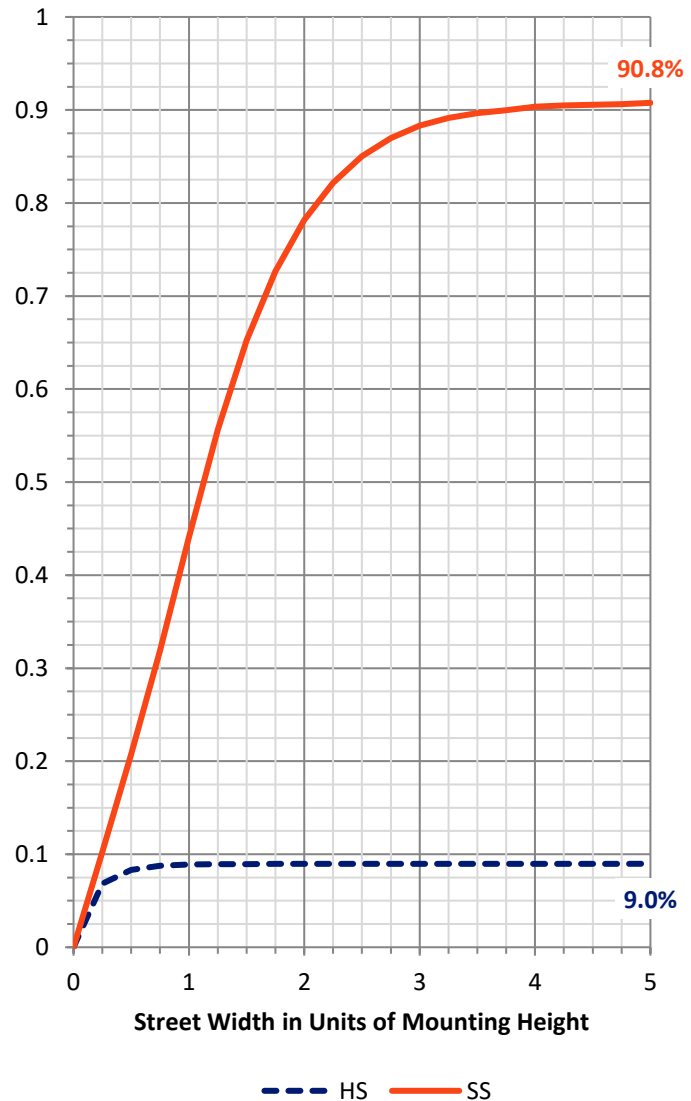
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	358.0	0.0	358.0
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	3590.0	0.0	3590.0
	% Fixture	90.9	0.0	90.9
Total	Lumens	3948.0	0.0	3948.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	34.3	0.9
20°-30°	123.0	3.1
30°-40°	314.0	8.0
40°-50°	621.5	15.7
50°-60°	979.3	24.8
60°-70°	1139.1	28.9
70°-80°	691.5	17.5
80°-90°	42.8	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°	3948.0	100.0
0°-180°	3948.0	100.0



REPORT NUMBER: P415734

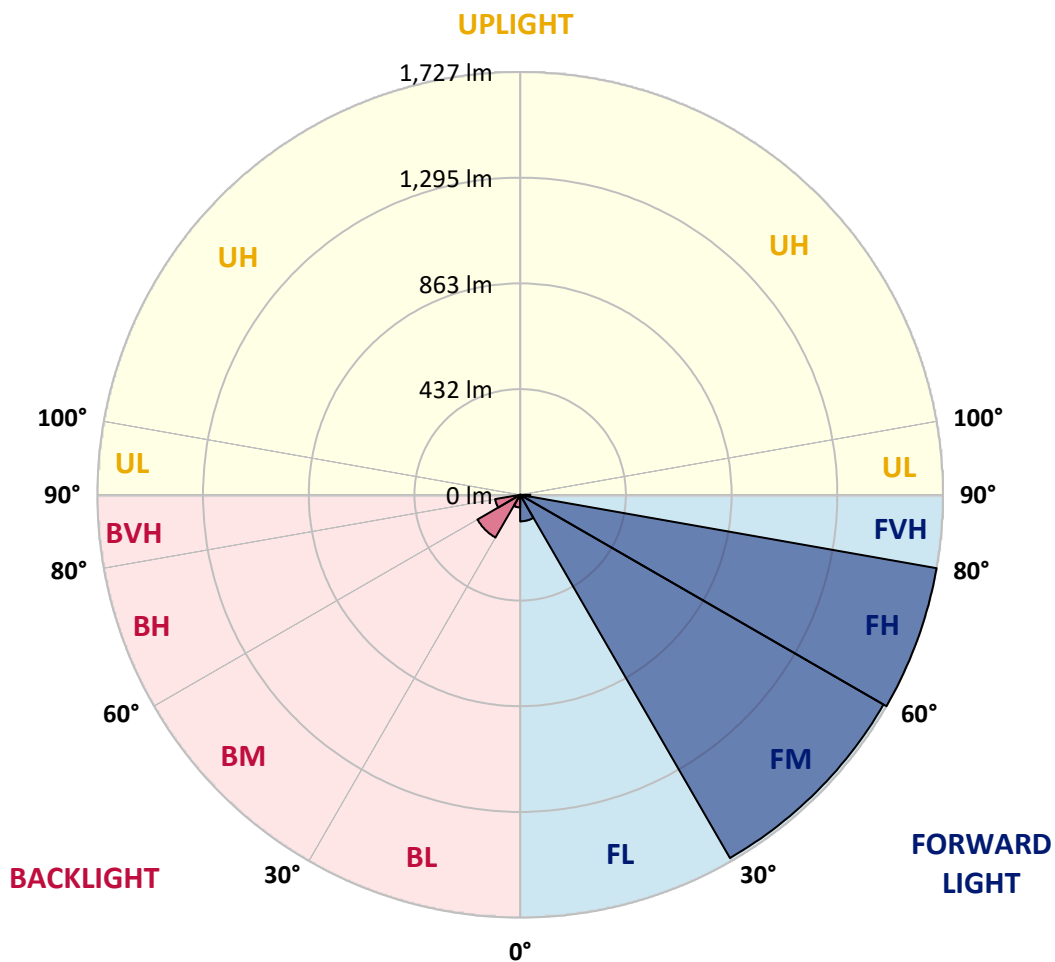
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.4	2.7			
FM	(30°-60°)	1713.3	43.4			
FH	(60°-80°)	1727.0	43.7			G1/1800
FVH	(80°-90°)	41.3	1.0			G1/100
BL	(0°-30°)	51.4	1.3	B0/110		
BM	(30°-60°)	201.5	5.1	B0/220		
BH	(60°-80°)	103.6	2.6	B0/110		G0/110
BVH	(80°-90°)	1.5	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-G1

Type IV Medium





REPORT NUMBER: P415734

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.7	1.7	1.7	1.7	1.7
5°	55.0	35.9	26.9	22.4	11.2	2.8	1.7	1.7	1.7	1.7	1.7
7.5°	84.7	84.7	85.3	85.8	87.5	73.5	15.7	1.7	1.7	1.7	1.7
10°	81.9	81.3	81.3	82.5	84.7	87.0	89.2	11.8	2.8	1.7	1.7
12.5°	159.9	158.2	147.0	102.7	84.2	85.3	89.8	68.4	19.1	11.2	64.5
15°	158.2	157.6	158.8	161.6	162.7	90.9	133.0	180.6	184.6	124.5	150.9
17.5°	172.8	167.7	159.9	161.0	166.1	195.2	187.9	195.8	199.7	139.7	163.3
20°	239.0	238.4	239.6	187.9	175.6	247.4	217.7	212.6	264.2	276.6	306.9
22.5°	244.0	242.9	244.6	250.2	281.1	258.6	315.3	322.6	337.7	373.6	350.6
25°	341.7	341.7	280.5	261.4	320.3	292.3	390.5	366.9	359.1	401.1	451.1
27.5°	412.4	407.9	393.3	365.2	333.2	413.5	415.7	501.6	508.8	559.9	569.4
30°	522.3	516.1	477.4	455.6	413.5	434.8	485.3	596.4	556.0	596.9	638.4
32.5°	773.1	764.1	715.3	573.9	521.2	471.3	581.8	640.1	680.0	791.0	836.5
35°	1001.4	943.1	876.3	768.6	631.7	612.6	627.8	793.9	841.0	875.2	921.2
37.5°	1231.4	1232.6	1165.8	904.4	798.3	707.5	756.8	887.0	934.7	985.2	1026.7
40°	1416.0	1388.0	1298.8	1106.9	942.0	851.1	857.2	977.9	1062.6	1126.0	1134.4
42.5°	1651.7	1639.9	1508.6	1292.0	1127.7	1039.0	1012.1	1071.6	1183.8	1225.8	1251.6
45°	1877.2	1859.8	1748.2	1503.0	1326.3	1227.0	1189.9	1190.5	1301.0	1345.9	1382.9
47.5°	2046.1	2018.0	1958.0	1697.1	1575.9	1432.3	1355.4	1326.3	1434.0	1492.3	1513.1
50°	2222.8	2176.8	2129.1	1916.5	1791.4	1666.8	1519.8	1487.3	1565.3	1630.3	1647.2
52.5°	2341.2	2274.4	2241.3	2073.0	1984.3	1905.2	1684.2	1647.7	1703.3	1780.1	1766.7
55°	2281.1	2260.4	2296.3	2208.2	2122.4	2034.8	1863.2	1833.4	1848.0	1912.5	1880.6
57.5°	2156.0	2162.2	2268.2	2285.1	2246.3	2163.9	2023.6	2018.6	1988.8	2041.6	2000.1
60°	2025.3	2048.3	2195.9	2280.0	2308.1	2280.6	2193.0	2156.0	2129.7	2166.7	2134.1
62.5°	1850.3	1854.7	2052.8	2235.1	2284.5	2371.5	2311.4	2293.5	2239.0	2294.0	2280.6
65°	1630.3	1635.9	1822.2	2080.8	2213.8	2388.8	2404.0	2423.1	2381.0	2396.1	2438.8
67.5°	1384.6	1395.3	1558.0	1807.6	2061.8	2354.6	2480.9	2517.3	2514.0	2509.5	2551.5
70°	1120.9	1128.2	1260.6	1479.4	1816.0	2260.4	2552.1	2598.7	2611.6	2580.2	2550.4
72°	717.0	752.3	927.4	1133.8	1537.2	2117.3	2584.1	2628.4	2650.8	2575.7	2362.5
72.5°	563.3	591.3	856.7	1039.0	1441.8	2084.2	2577.9	2618.3	2639.1	2551.0	2282.8
75°	121.2	124.5	268.2	504.9	909.4	1596.7	2364.2	2369.2	2391.6	2222.8	1563.0
77.5°	52.2	52.7	74.6	166.6	326.5	816.3	1636.5	1683.1	1681.4	1438.5	755.7
80°	36.5	37.6	44.3	76.3	155.4	236.2	799.5	804.5	692.3	514.5	188.5
82.5°	19.1	20.2	31.4	45.4	105.5	86.4	258.6	260.9	192.4	121.2	43.8
85°	3.4	5.0	15.1	27.5	41.0	34.8	56.7	71.3	61.7	48.2	18.5
87.5°	0.6	0.6	3.9	3.9	5.6	3.4	5.6	6.2	6.7	10.1	5.0
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: P415734

CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.7	1.7	1.7	1.7	1.1	0.6	0.0	0.0	0.0	0.0	0.0
5°	1.7	1.7	1.7	1.7	1.1	0.6	0.0	0.0	0.0	0.0	0.0
7.5°	1.7	1.7	1.7	1.7	1.1	0.6	0.0	51.6	69.6	74.1	79.1
10°	1.7	2.2	1.7	1.7	1.1	70.7	87.0	88.1	89.2	89.2	88.6
12.5°	71.3	72.9	25.8	5.0	65.6	89.8	85.3	78.0	71.3	69.0	68.4
15°	152.6	153.2	138.6	119.5	127.4	84.7	66.8	75.7	76.9	74.1	74.1
17.5°	164.4	164.4	157.1	191.9	161.0	84.7	70.1	57.8	49.4	47.1	46.6
20°	325.4	285.0	230.6	194.7	131.3	94.8	49.4	42.1	41.0	41.0	42.6
22.5°	351.2	346.2	300.1	262.6	112.8	66.8	48.2	48.2	57.2	56.1	55.5
25°	458.4	451.6	340.0	228.3	112.8	57.2	61.2	53.9	52.7	51.6	50.5
27.5°	579.5	565.5	478.0	206.5	79.7	60.0	58.3	51.1	60.6	60.6	60.0
30°	659.8	607.0	481.4	185.1	67.3	64.0	55.0	59.5	53.9	50.5	50.5
32.5°	855.0	830.9	588.5	130.7	64.0	57.8	57.8	51.1	45.4	47.1	46.6
35°	916.7	885.3	524.0	98.2	58.9	53.3	48.2	44.9	38.7	34.8	34.2
37.5°	993.0	952.1	439.8	75.7	57.8	47.1	39.8	34.2	29.7	29.7	29.2
40°	1086.7	1024.4	359.6	64.5	51.1	40.4	30.9	26.4	23.6	21.9	21.3
42.5°	1189.4	1092.9	276.6	58.3	44.3	33.1	23.0	19.1	17.4	16.8	16.8
45°	1297.7	1156.3	198.6	53.3	38.7	25.8	16.8	13.5	12.9	12.9	12.9
47.5°	1408.2	1202.3	135.2	48.2	32.5	19.1	12.3	10.1	10.1	9.5	9.5
50°	1516.5	1233.7	93.1	43.2	26.4	13.5	9.0	8.4	8.4	7.9	7.9
52.5°	1595.0	1226.4	69.6	37.6	20.8	10.1	7.3	6.7	6.7	6.7	6.7
55°	1671.3	1210.1	57.2	32.0	15.7	7.3	5.6	5.0	5.0	5.0	5.0
57.5°	1749.8	1188.3	49.4	25.8	11.2	5.6	3.9	3.9	3.9	3.9	3.9
60°	1814.9	1145.6	42.6	20.8	7.9	3.9	3.4	2.8	2.8	2.8	2.8
62.5°	1887.3	1102.4	36.5	15.7	5.6	2.8	2.2	1.7	1.7	1.1	1.7
65°	1938.9	1049.7	29.7	11.2	3.9	2.2	1.7	1.1	0.6	0.0	0.6
67.5°	1937.8	979.5	21.3	7.3	2.8	1.7	1.1	0.6	0.0	0.0	0.0
70°	1853.1	879.1	14.6	5.0	2.2	1.1	1.1	0.6	0.0	0.0	0.0
72°	1635.4	709.1	11.2	4.5	2.2	1.1	1.1	0.6	0.0	0.0	0.0
72.5°	1559.1	650.8	10.1	3.9	2.2	1.1	1.1	0.6	0.0	0.0	0.0
75°	990.2	271.0	7.9	3.4	2.2	1.1	1.1	0.6	0.6	0.6	0.0
77.5°	460.0	99.3	5.6	2.8	1.7	1.1	1.1	0.6	0.6	1.1	0.0
80°	100.4	29.2	3.9	2.8	1.7	1.1	1.1	1.1	1.1	1.7	0.0
82.5°	23.0	9.5	3.4	2.2	1.7	1.1	1.1	1.1	1.1	1.7	0.0
85°	8.4	5.6	3.4	2.8	2.2	1.1	1.1	1.7	1.7	2.2	0.0
87.5°	3.4	3.4	2.8	2.8	2.2	1.1	1.7	1.7	2.2	2.2	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)