

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: P694515

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2444 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

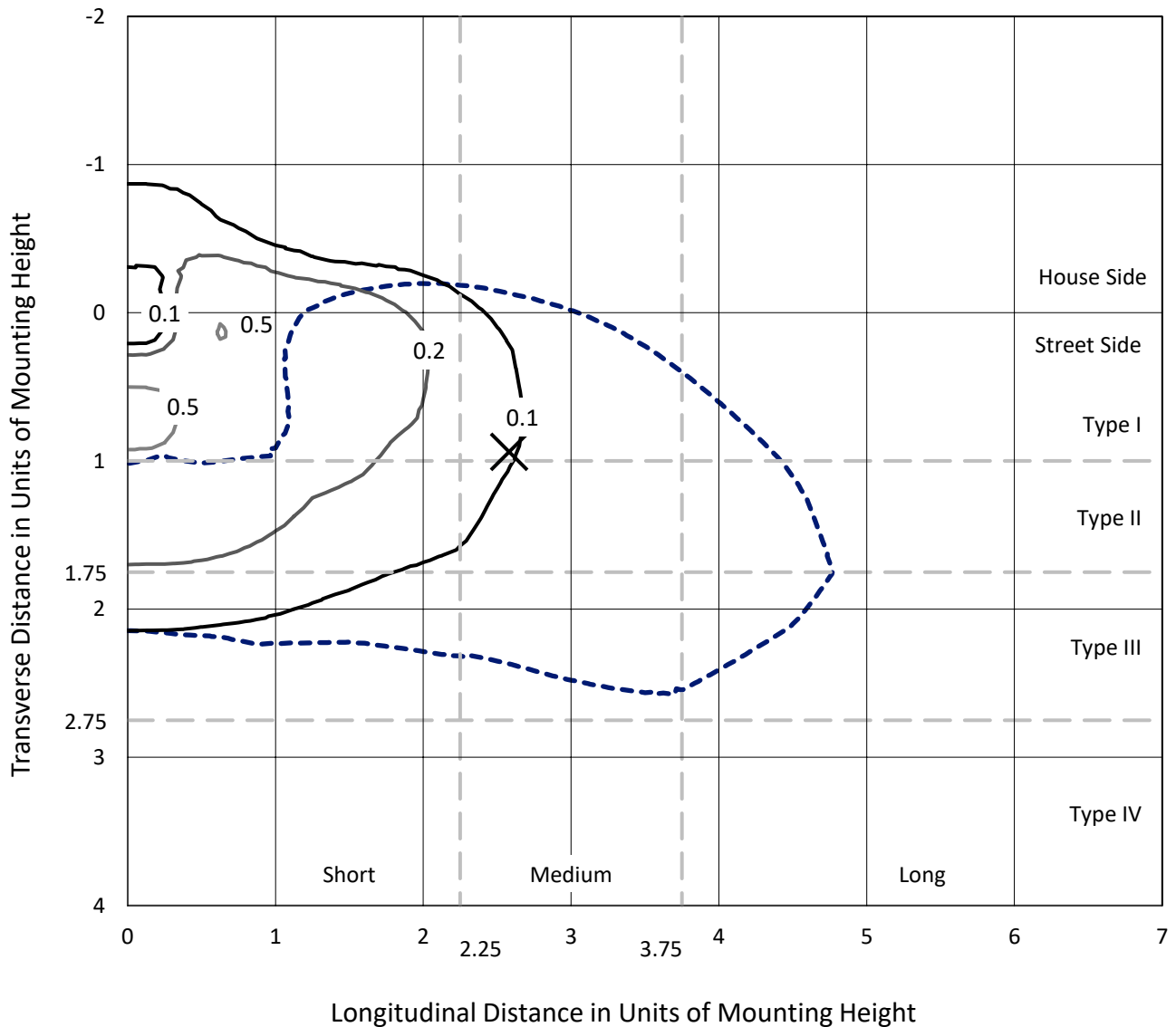
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

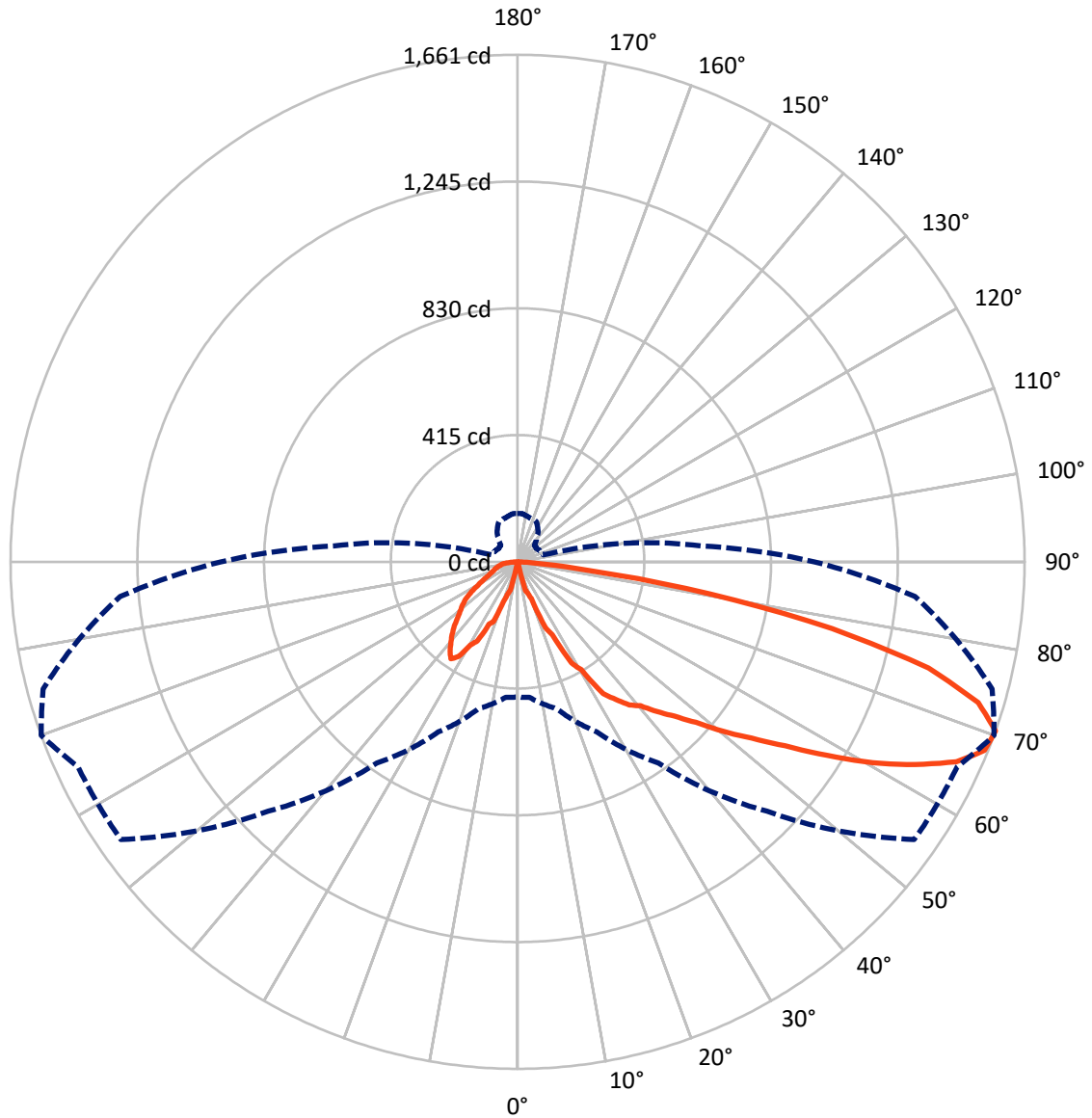
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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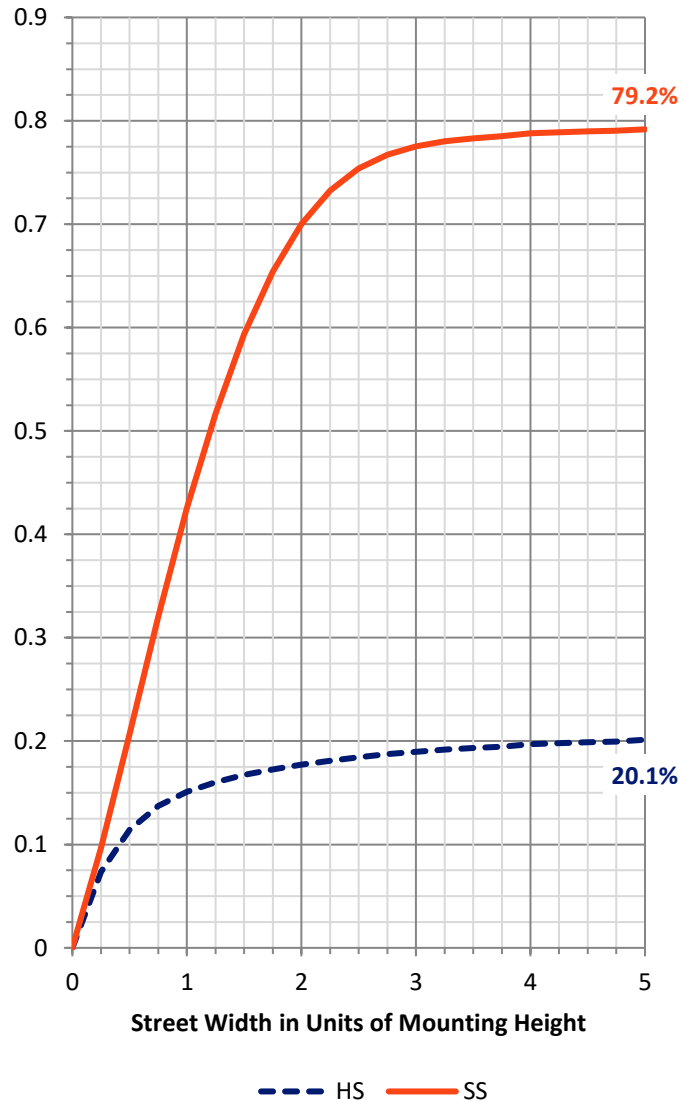
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	503.7	0.0	503.7
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	1940.3	0.0	1940.3
	% Fixture	79.4	0.0	79.4
Total	Lumens	2444.0	0.0	2444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	20.7	0.8
20°-30°	116.9	4.8
30°-40°	260.0	10.6
40°-50°	371.9	15.2
50°-60°	540.4	22.1
60°-70°	678.2	27.8
70°-80°	402.8	16.5
80°-90°	52.9	2.2
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°	2444.0	100.0
0°-180°	2444.0	100.0

Coefficient of Utilization

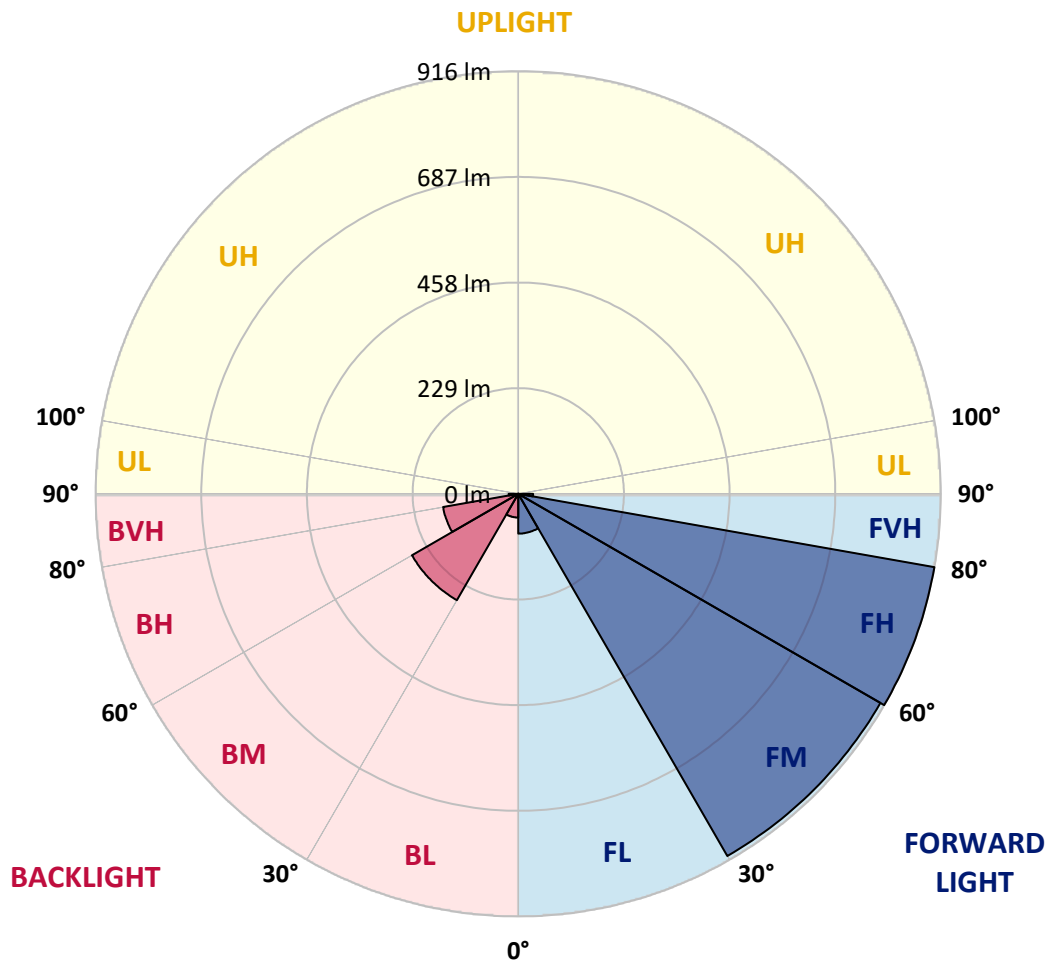


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	86.2	3.5			
FM (30°-60°)	906.3	37.1			
FH (60°-80°)	915.7	37.5			G1/1800
FVH (80°-90°)	32.1	1.3			G1/100
BL (0°-30°)	51.5	2.1	B0/110		
BM (30°-60°)	266.1	10.9	B1/1000		
BH (60°-80°)	165.3	6.8	B1/500		G1/500
BVH (80°-90°)	20.8	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
7.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
10°	10.9	11.8	7.6	4.2	1.7	0.8	0.8	0.8	0.8	0.8	0.8
12.5°	97.5	97.5	96.6	62.2	19.3	4.2	1.7	5.0	9.2	10.1	15.1
15°	108.4	108.4	108.4	106.7	101.7	35.3	16.0	89.1	97.5	100.0	100.0
17.5°	142.9	145.4	131.9	118.5	112.6	98.3	95.0	106.7	108.4	110.1	110.9
20°	242.9	242.9	242.9	216.8	133.6	172.3	158.0	121.9	127.7	153.0	210.9
22.5°	270.6	269.8	263.9	255.5	274.0	191.6	179.8	212.6	234.5	242.0	238.7
25°	414.3	413.5	391.6	289.1	301.7	258.8	270.6	269.8	264.7	267.2	263.9
27.5°	449.6	447.9	446.2	406.8	333.6	349.6	314.3	351.3	374.8	392.5	381.5
30°	632.0	595.8	523.6	461.4	426.1	374.8	404.2	426.1	410.1	417.7	400.0
32.5°	668.1	671.5	668.1	581.6	474.0	426.9	453.8	452.1	515.2	537.0	531.1
35°	704.2	701.7	696.7	619.4	551.3	492.5	478.2	553.8	553.8	566.4	548.8
37.5°	732.8	732.0	725.3	640.4	590.0	516.0	541.2	594.2	595.0	607.6	568.9
40°	757.2	758.0	755.5	663.1	621.1	541.2	570.6	633.7	620.2	638.7	602.6
42.5°	778.2	780.7	784.9	696.7	647.9	566.4	598.4	662.2	670.6	692.5	651.3
45°	816.9	821.9	827.8	749.6	684.1	600.0	636.2	719.4	721.1	753.8	718.5
47.5°	865.6	869.0	881.6	806.8	737.9	648.8	674.8	761.4	785.8	826.9	799.2
50°	907.6	914.3	931.2	876.5	811.8	720.2	729.5	823.6	872.3	909.3	884.1
52.5°	939.6	945.4	970.7	935.4	890.0	796.7	798.4	910.1	959.7	1011.0	995.9
55°	965.6	972.3	995.9	990.8	961.4	859.7	893.3	993.3	1063.1	1123.6	1106.8
57.5°	969.8	969.0	1013.5	1028.6	1011.0	942.9	1013.5	1084.1	1195.9	1243.8	1244.6
60°	950.5	954.7	1007.6	1053.9	1055.5	1028.6	1144.6	1205.1	1336.2	1368.2	1378.2
62.5°	909.3	918.5	977.4	1053.9	1091.7	1114.4	1272.4	1341.3	1462.3	1479.1	1468.2
65°	831.1	834.5	892.5	1005.1	1095.0	1192.5	1404.3	1459.8	1579.1	1562.3	1488.3
67.5°	671.5	681.6	735.3	865.6	1015.2	1227.0	1524.5	1548.8	1648.9	1613.6	1438.8
70°	442.9	445.4	498.4	614.3	804.3	1155.5	1585.8	1588.3	1660.6	1608.5	1306.8
72.5°	192.4	177.3	227.7	321.0	493.3	900.9	1511.0	1547.2	1577.4	1513.5	1082.4
75°	83.2	84.9	98.3	132.8	228.6	509.3	1257.2	1348.8	1390.0	1289.2	789.1
77.5°	62.2	62.2	71.4	80.7	106.7	192.4	819.4	1004.3	1053.0	933.7	490.8
80°	45.4	47.1	53.8	58.8	68.9	78.2	408.4	608.4	639.5	486.6	216.0
82.5°	34.5	34.5	38.7	42.0	47.1	47.1	138.7	261.4	237.0	165.6	74.8
85°	15.1	12.6	20.2	19.3	21.0	16.8	37.0	47.9	47.9	37.8	16.8
87.5°	0.0	0.8	0.8	0.8	1.7	1.7	3.4	2.5	3.4	3.4	2.5
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
7.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
10°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8
12.5°	13.4	16.0	10.1	5.0	0.8	0.0	0.0	0.8	0.8	1.7	1.7
15°	101.7	100.8	100.8	92.4	16.0	2.5	1.7	8.4	28.6	60.5	59.7
17.5°	110.9	110.9	110.9	106.7	96.6	26.9	26.9	89.1	96.6	97.5	98.3
20°	210.1	207.6	160.5	115.1	101.7	96.6	88.2	97.5	99.2	100.0	101.7
22.5°	236.2	233.6	222.7	200.0	114.3	140.3	126.9	104.2	155.5	163.0	164.7
25°	262.2	255.5	238.7	209.3	191.6	142.0	148.7	148.7	155.5	154.6	155.5
27.5°	374.0	366.4	343.7	237.8	207.6	166.4	164.7	145.4	156.3	178.2	179.8
30°	391.6	382.4	351.3	274.0	218.5	181.5	153.8	173.1	181.5	179.0	179.8
32.5°	516.8	505.9	456.3	275.6	220.2	167.2	170.6	173.1	176.5	192.4	194.1
35°	532.8	522.7	455.5	316.0	203.4	166.4	164.7	176.5	195.8	198.3	199.2
37.5°	555.5	545.4	446.2	288.3	202.5	164.7	160.5	174.0	180.7	178.2	176.5
40°	588.3	573.1	428.6	258.0	184.0	156.3	156.3	159.7	164.7	155.5	153.0
42.5°	637.0	605.9	409.3	231.1	168.9	145.4	145.4	146.2	142.9	134.5	134.5
45°	690.0	633.7	384.1	206.7	153.8	133.6	134.5	128.6	131.9	125.2	125.2
47.5°	752.2	667.3	353.0	183.2	140.3	122.7	121.0	121.9	126.1	121.0	121.0
50°	823.6	707.6	329.4	162.2	128.6	111.8	116.0	118.5	123.5	119.3	118.5
52.5°	908.5	750.5	310.9	145.4	118.5	102.5	112.6	116.0	121.9	119.3	118.5
55°	1007.6	804.3	281.5	131.9	109.3	97.5	110.1	116.0	122.7	121.0	120.2
57.5°	1100.1	850.5	240.4	118.5	102.5	94.1	109.3	116.0	124.4	122.7	121.9
60°	1183.3	894.2	189.9	108.4	96.6	89.9	106.7	116.0	125.2	126.1	125.2
62.5°	1225.3	896.7	153.8	100.8	90.8	85.7	104.2	115.1	124.4	129.4	129.4
65°	1205.1	846.3	122.7	93.3	85.7	80.7	101.7	117.7	131.9	140.3	140.3
67.5°	1122.8	744.6	101.7	87.4	79.8	76.5	105.0	132.8	146.2	154.6	154.6
70°	972.3	601.7	87.4	82.4	75.6	78.2	116.8	145.4	149.6	158.8	158.0
72.5°	771.5	449.6	78.2	77.3	73.1	82.4	124.4	140.3	140.3	143.7	140.3
75°	542.9	285.7	70.6	72.3	67.2	75.6	117.7	131.1	125.2	123.5	122.7
77.5°	309.3	154.6	62.2	65.6	60.5	65.6	102.5	116.8	110.9	106.7	105.0
80°	132.8	79.0	53.8	58.8	52.9	55.5	85.7	100.8	96.6	91.6	89.9
82.5°	52.9	41.2	45.4	52.1	44.5	47.1	73.1	85.7	82.4	77.3	72.3
85°	15.1	16.0	27.7	37.0	33.6	37.0	58.8	68.1	63.0	49.6	47.9
87.5°	1.7	2.5	5.9	7.6	8.4	6.7	13.4	18.5	16.8	12.6	10.1
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)