

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: P483461

Luminaire Tested: **IFLD-S-SA3B-722-U-T4W-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P483461
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-722-U-T4W-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

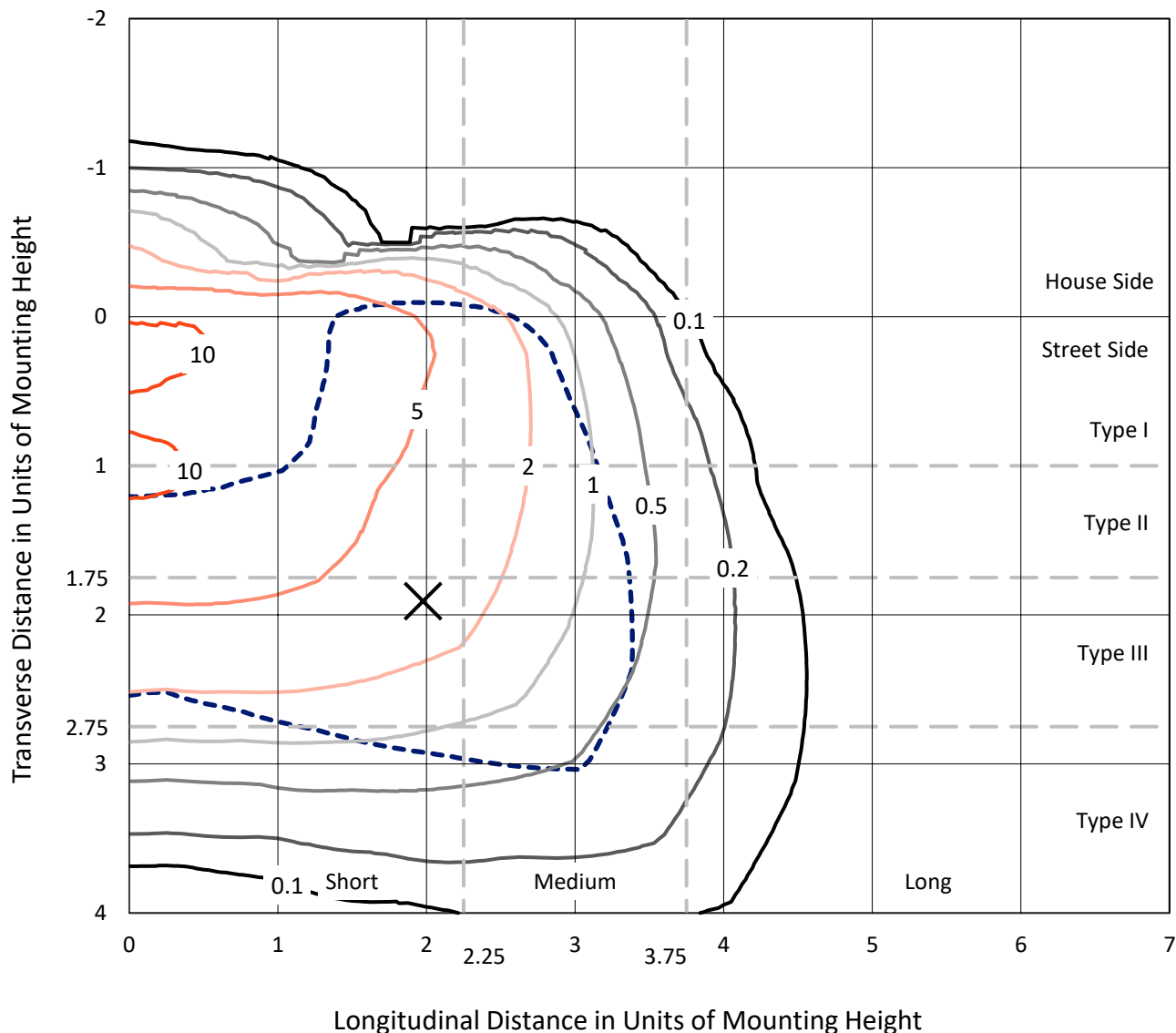
Lumens per Lamp: N/A
Luminaire Lumens: 9247.9 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4
Input Voltage (V): 120
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

REPORT NUMBER: P483461
 CATALOG NUMBER: IFLD-S-SA3B-722-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

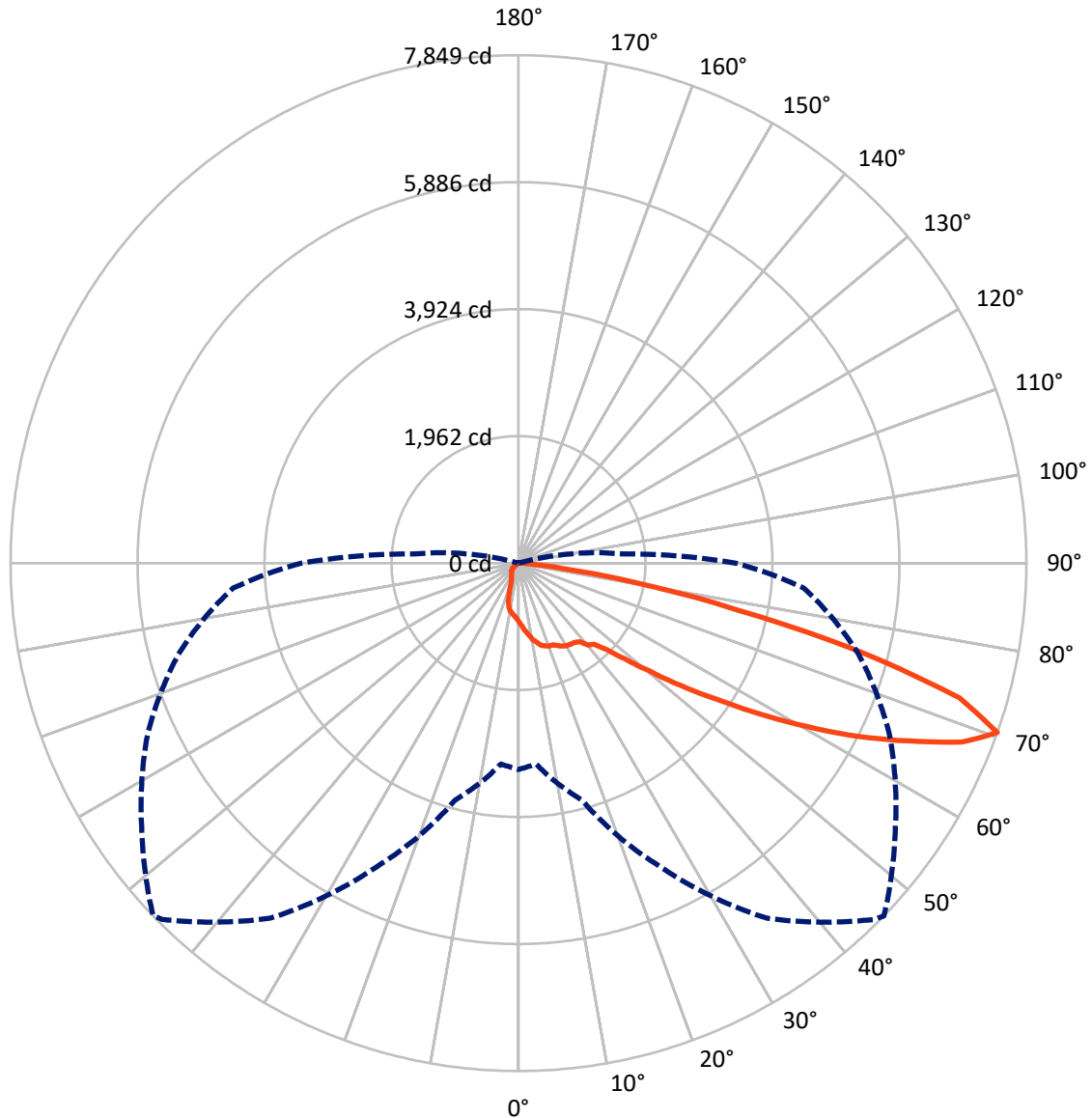
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P483461
CATALOG NUMBER: IFLD-S-SA3B-722-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P483461
 CATALOG NUMBER: IFLD-S-SA3B-722-U-T4W-HSS

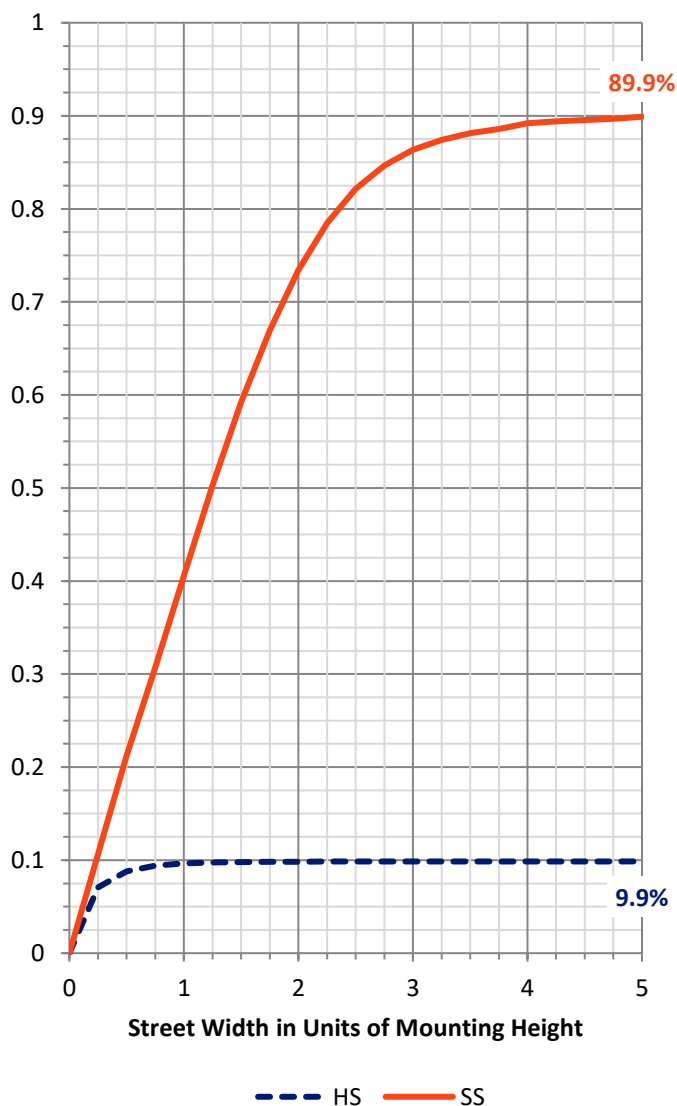
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	920.2	0.0	920.2
	% Fixture	10.0	0.0	10.0
Street Side	Lumens	8327.7	0.0	8327.7
	% Fixture	90.0	0.0	90.0
Total	Lumens	9247.9	0.0	9247.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	1.0
10°-20°	273.4	3.0
20°-30°	437.9	4.7
30°-40°	625.0	6.8
40°-50°	1079.3	11.7
50°-60°	2066.3	22.3
60°-70°	3059.9	33.1
70°-80°	1515.5	16.4
80°-90°	100.1	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°	9247.9	100.0
0°-180°	9247.9	100.0

Coefficient of Utilization



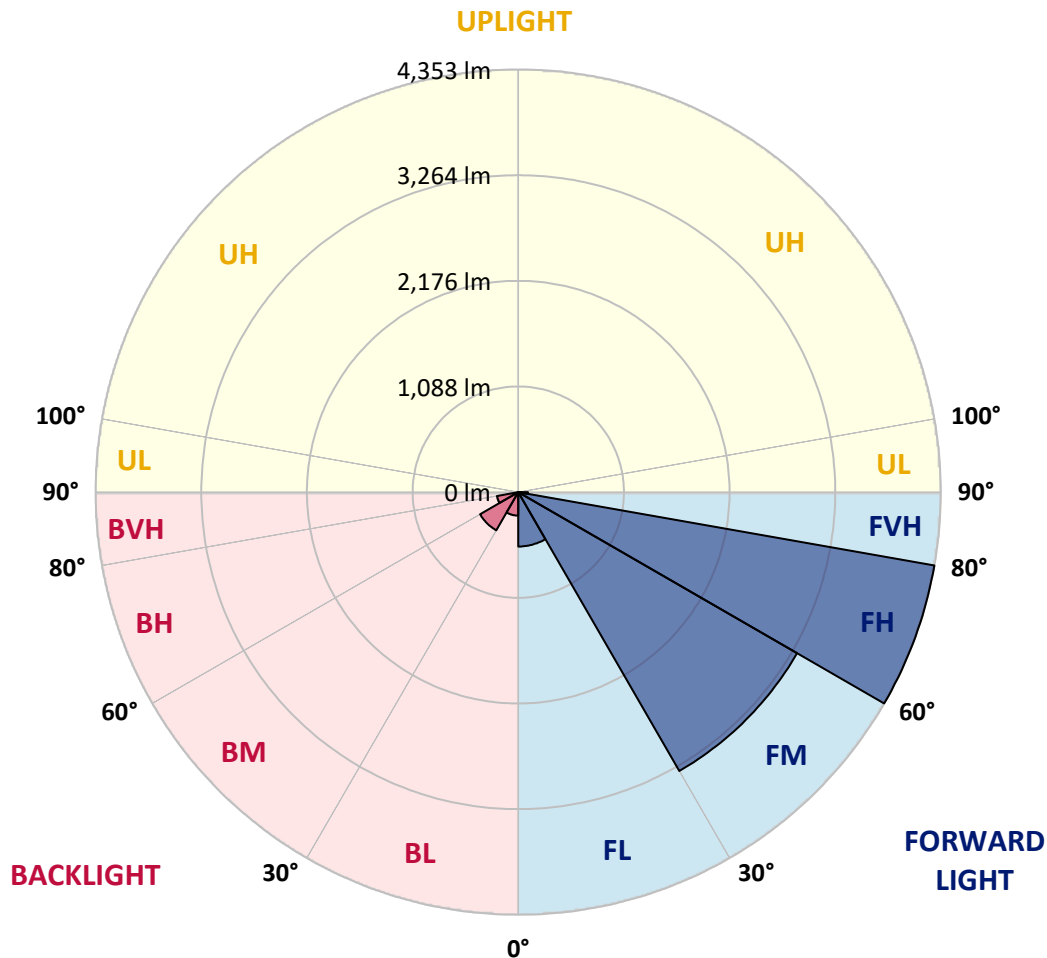
REPORT NUMBER: P483461
 CATALOG NUMBER: IFLD-S-SA3B-722-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	560.0	6.1			
FM (30°-60°)	3316.3	35.9			
FH (60°-80°)	4352.6	47.1			G2/5000
FVH (80°-90°)	98.9	1.1			G1/100
BL (0°-30°)	241.8	2.6	B1/500		
BM (30°-60°)	454.3	4.9	B1/1000		
BH (60°-80°)	222.9	2.4	B1/500		G1/500
BVH (80°-90°)	1.3	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 Short





REPORT NUMBER: P483461

CATALOG NUMBER: IFLD-S-SA3B-722-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9
2.5°	1013.0	1006.4	995.7	991.7	981.1	975.8	967.8	963.8	949.1	934.5	925.2
5°	1136.8	1120.8	1126.2	1110.2	1075.6	1047.6	1046.3	1015.7	982.4	955.8	919.8
7.5°	1262.0	1248.6	1228.7	1206.0	1167.4	1126.2	1114.2	1084.9	1038.3	991.7	943.8
10°	1356.5	1347.1	1329.8	1297.9	1244.6	1198.1	1199.4	1150.1	1100.9	1047.6	982.4
12.5°	1415.0	1419.0	1393.7	1361.8	1315.2	1256.6	1255.3	1222.0	1166.1	1110.2	1033.0
15°	1473.6	1488.3	1449.6	1412.4	1352.5	1309.9	1317.9	1277.9	1223.3	1159.5	1074.3
17.5°	1482.9	1486.9	1478.9	1424.4	1380.4	1344.5	1345.8	1319.2	1277.9	1208.7	1135.5
20°	1467.0	1464.3	1455.0	1415.0	1385.8	1364.5	1365.8	1359.1	1336.5	1280.6	1180.8
22.5°	1420.4	1420.4	1408.4	1381.8	1368.4	1388.4	1372.4	1397.7	1373.8	1340.5	1258.0
25°	1383.1	1397.7	1391.1	1373.8	1379.1	1405.7	1413.7	1437.7	1433.7	1392.4	1311.2
27.5°	1423.0	1405.7	1409.7	1389.7	1409.7	1449.6	1453.6	1470.9	1469.6	1436.3	1359.1
30°	1449.6	1465.6	1435.0	1391.1	1412.4	1480.3	1477.6	1500.2	1510.9	1470.9	1404.4
32.5°	1534.8	1521.5	1496.2	1437.7	1440.3	1478.9	1490.9	1520.2	1526.9	1502.9	1448.3
35°	1709.2	1689.3	1578.8	1490.9	1477.6	1496.2	1504.2	1561.5	1573.4	1546.8	1494.9
37.5°	1978.1	1932.9	1799.7	1605.4	1545.5	1541.5	1541.5	1617.4	1662.6	1601.4	1564.1
40°	2362.8	2298.9	2155.2	1817.1	1634.7	1650.7	1666.6	1707.9	1702.6	1662.6	1654.6
42.5°	2852.7	2803.5	2647.7	2172.5	1805.1	1725.2	1711.9	1767.8	1851.7	1835.7	1830.4
45°	3261.4	3264.0	3164.2	2659.7	2099.3	1896.9	1906.2	1948.8	2089.9	2078.0	2076.6
47.5°	3559.6	3522.3	3507.6	3129.6	2527.9	2223.1	2209.7	2239.0	2422.7	2498.6	2533.2
50°	3831.1	3805.8	3771.2	3586.2	3043.1	2631.7	2618.4	2621.1	2902.0	3008.5	3093.6
52.5°	4167.9	4199.9	4085.4	3972.2	3710.0	3162.9	3148.2	3096.3	3445.1	3591.5	3692.7
55°	4583.2	4523.3	4394.2	4452.8	4347.6	3736.6	3710.0	3648.7	4064.1	4125.3	4231.8
57.5°	4675.1	4629.8	4762.9	4970.6	5071.8	4410.2	4399.5	4289.0	4584.6	4528.7	4829.5
60°	4904.0	4916.0	5101.1	5513.7	5689.4	5187.6	5135.7	4941.3	5089.1	5099.7	5420.5
62.5°	5139.7	5111.7	5525.7	5922.4	6192.6	5923.7	5906.4	5520.4	5688.1	5552.3	5977.0
65°	4966.6	5009.2	5601.6	6265.8	6844.9	6643.9	6629.2	6078.1	6170.0	6000.9	6203.3
67.5°	4351.6	4265.1	5094.4	6108.8	7180.4	7398.7	7382.7	6686.5	6441.5	5998.3	5733.4
70°	3189.5	3114.9	3791.2	5172.9	6699.8	7784.7	7848.6	7109.8	6331.1	5439.2	4423.5
72.5°	1562.8	1564.1	2124.6	3507.6	5300.7	7095.2	7127.1	6518.8	5439.2	4009.5	2505.3
75°	461.9	467.2	786.7	1719.9	3426.4	5388.6	5424.5	4948.0	3769.9	2071.3	854.6
77.5°	169.1	169.1	260.9	645.6	1709.2	3401.1	3398.5	3037.7	1908.9	701.5	199.7
80°	87.9	91.9	135.8	263.6	740.1	1771.8	1838.4	1486.9	725.5	295.5	58.6
82.5°	35.9	39.9	74.5	135.8	355.4	621.7	680.2	583.1	315.5	206.3	26.6
85°	10.6	12.0	35.9	75.9	139.8	155.7	173.1	195.7	198.3	159.7	12.0
87.5°	1.3	1.3	14.6	25.3	30.6	33.3	38.6	38.6	101.2	111.8	6.7
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: P483461

CATALOG NUMBER: IFLD-S-SA3B-722-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9	907.9
2.5°	914.5	907.9	897.2	873.2	867.9	850.6	849.3	833.3	838.6	828.0	824.0
5°	907.9	893.2	863.9	845.3	826.7	814.7	806.7	800.0	798.7	793.4	790.7
7.5°	919.8	899.9	854.6	825.3	793.4	782.7	765.4	764.1	754.8	745.5	745.5
10°	959.8	923.8	874.6	825.3	784.1	749.5	709.5	680.2	669.6	645.6	648.3
12.5°	991.7	959.8	887.9	837.3	774.7	696.2	608.3	540.5	508.5	477.9	489.9
15°	1037.0	990.4	913.2	840.0	738.8	603.0	459.3	383.4	354.1	347.4	346.1
17.5°	1086.2	1037.0	945.1	833.3	665.6	465.9	338.1	294.2	299.5	307.5	306.2
20°	1140.8	1080.9	969.1	810.7	549.8	338.1	276.9	275.6	283.5	295.5	298.2
22.5°	1198.1	1146.1	998.4	742.8	410.0	271.6	266.2	266.2	271.6	286.2	283.5
25°	1262.0	1192.7	1013.0	637.6	294.2	250.3	252.9	258.2	260.9	272.9	274.2
27.5°	1311.2	1244.6	1017.0	511.2	239.6	231.6	238.3	244.9	248.9	258.2	262.2
30°	1356.5	1309.9	995.7	380.7	219.6	215.7	218.3	227.6	235.6	243.6	243.6
32.5°	1413.7	1347.1	946.5	270.2	207.7	201.0	199.7	203.7	213.0	222.3	222.3
35°	1472.3	1409.7	867.9	217.0	197.0	187.7	182.4	178.4	182.4	189.0	194.4
37.5°	1557.5	1504.2	769.4	199.7	189.0	175.7	165.1	155.7	149.1	147.8	151.8
40°	1678.6	1610.7	643.0	187.7	179.7	163.7	147.8	131.8	117.1	107.8	109.2
42.5°	1862.3	1767.8	505.8	181.0	173.1	150.4	127.8	105.2	86.5	77.2	77.2
45°	2124.6	1975.5	371.4	174.4	165.1	134.4	105.2	78.5	59.9	54.6	55.9
47.5°	2519.9	2225.7	266.2	163.7	154.4	117.1	82.5	55.9	43.9	41.3	42.6
50°	3036.4	2522.6	207.7	151.8	141.1	98.5	61.2	41.3	34.6	33.3	34.6
52.5°	3578.2	2822.1	182.4	141.1	121.1	78.5	45.3	33.3	29.3	28.0	29.3
55°	4041.4	3015.1	158.4	125.1	97.2	58.6	35.9	29.3	25.3	21.3	21.3
57.5°	4510.0	3112.3	125.1	103.8	71.9	43.9	30.6	25.3	21.3	17.3	16.0
60°	4890.7	3181.5	89.2	77.2	50.6	34.6	26.6	22.6	17.3	13.3	12.0
62.5°	5141.0	2983.2	65.2	58.6	37.3	29.3	22.6	18.6	13.3	9.3	9.3
65°	5017.2	2708.9	50.6	41.3	28.0	22.6	18.6	13.3	9.3	5.3	4.0
67.5°	4502.0	2207.1	41.3	30.6	21.3	17.3	14.6	10.6	5.3	1.3	1.3
70°	3358.6	1617.4	33.3	22.6	17.3	13.3	10.6	6.7	2.7	1.3	0.0
72.5°	1837.0	885.2	26.6	18.6	13.3	10.6	8.0	5.3	2.7	0.0	0.0
75°	607.0	235.6	20.0	13.3	8.0	6.7	5.3	4.0	1.3	0.0	0.0
77.5°	146.4	61.2	16.0	12.0	6.7	4.0	2.7	1.3	1.3	0.0	0.0
80°	45.3	25.3	12.0	8.0	5.3	4.0	1.3	0.0	0.0	0.0	0.0
82.5°	18.6	12.0	5.3	5.3	4.0	1.3	0.0	0.0	0.0	0.0	0.0
85°	9.3	6.7	4.0	2.7	2.7	1.3	0.0	0.0	0.0	0.0	0.0
87.5°	6.7	2.7	1.3	1.3	0.0	0.0	0.0	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)