

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: McGRAW-EDISON

Report Number: P594377

Luminaire Tested: **ISC-PA1F-730-U-T4W-HSS**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P594377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/22/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: ISC-PA1F-730-U-T4W-HSS
Description: IMPACT ELITE LED CYLINDER LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7884 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

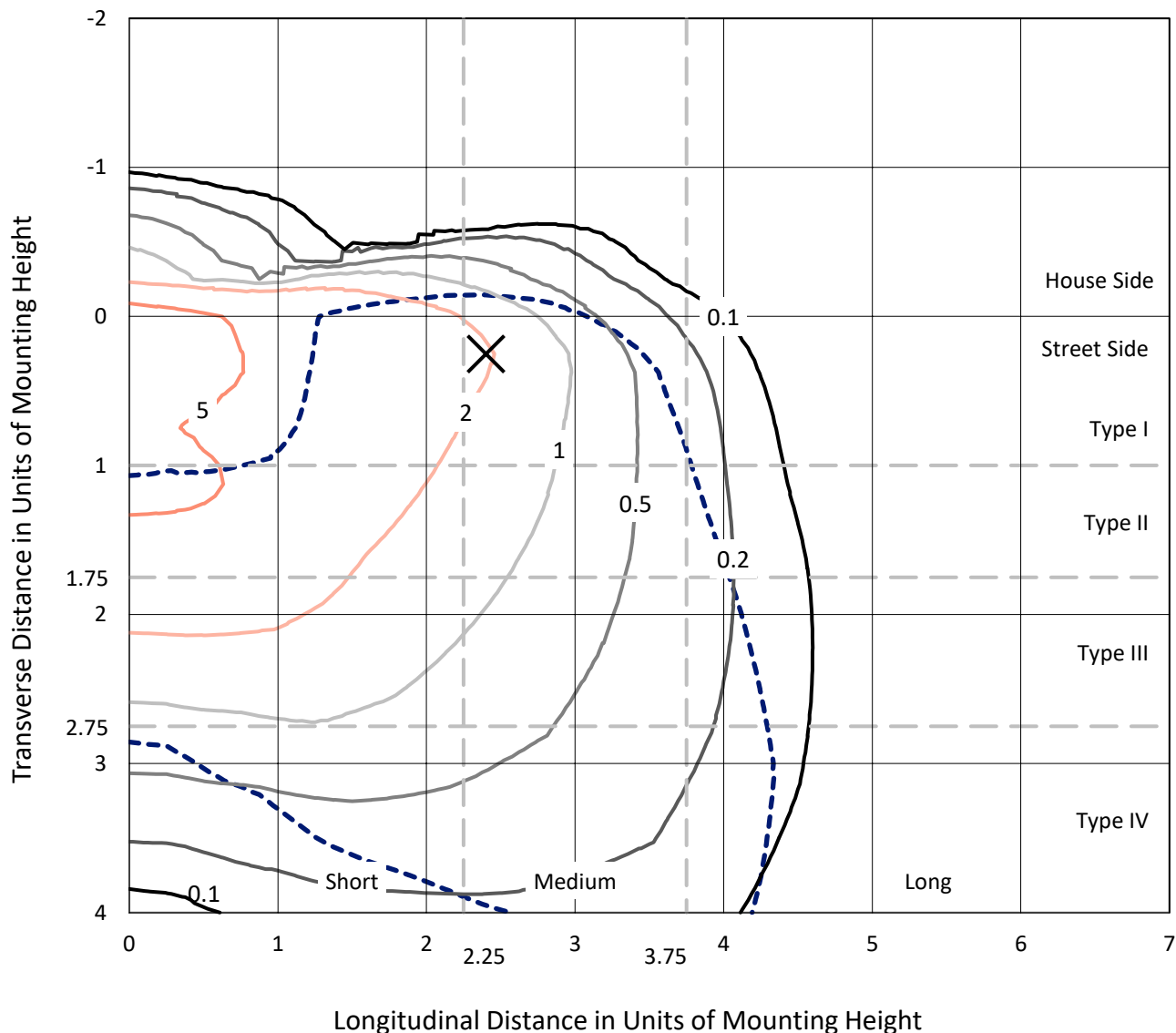
Input Watts (W): 94.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

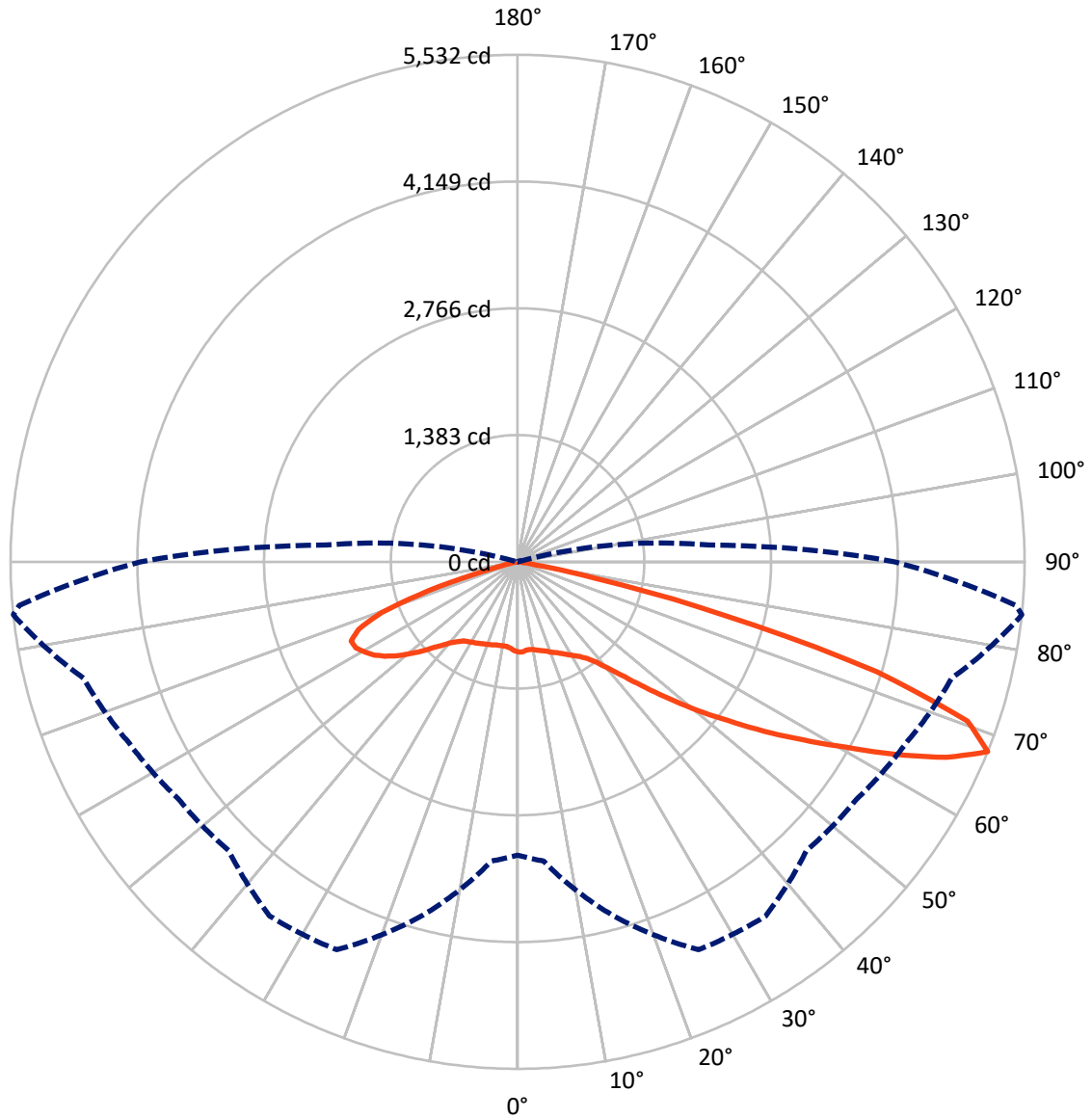
✕ Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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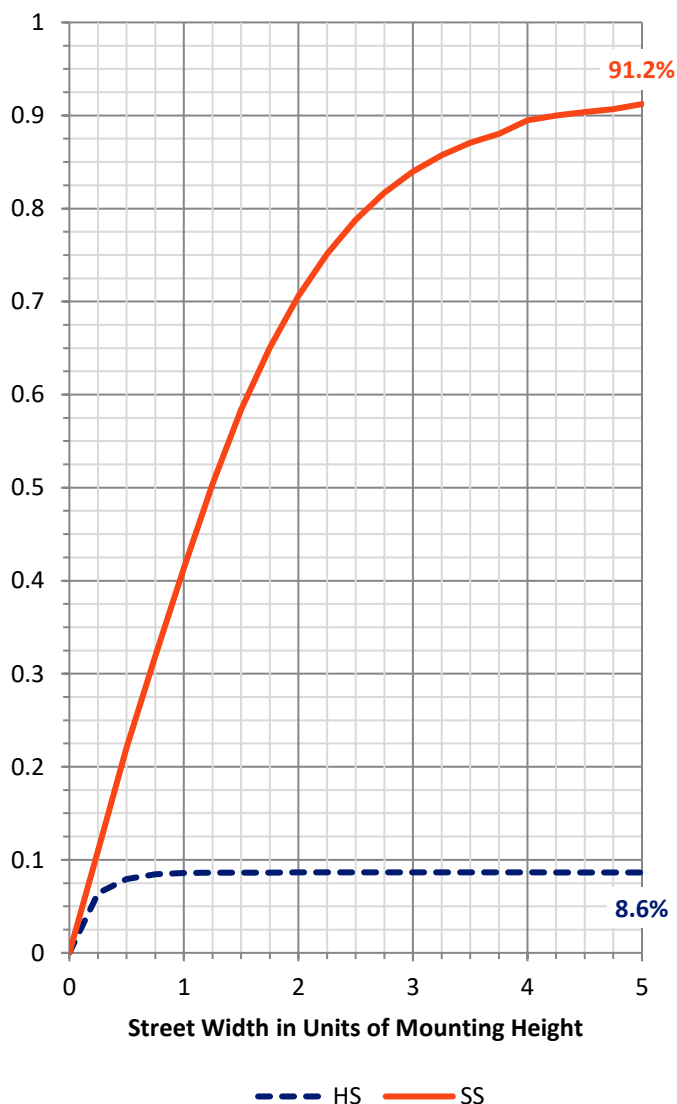
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	686.4	0.0	686.4
	% Fixture	8.7	0.0	8.7
Street Side	Lumens	7197.6	0.0	7197.6
	% Fixture	91.3	0.0	91.3
Total	Lumens	7884.0	0.0	7884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	1.1
10°-20°	230.4	2.9
20°-30°	368.9	4.7
30°-40°	531.0	6.7
40°-50°	911.3	11.6
50°-60°	1592.2	20.2
60°-70°	2280.1	28.9
70°-80°	1713.8	21.7
80°-90°	168.2	2.1
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°	7884.0	100.0
0°-180°	7884.0	100.0

Coefficient of Utilization

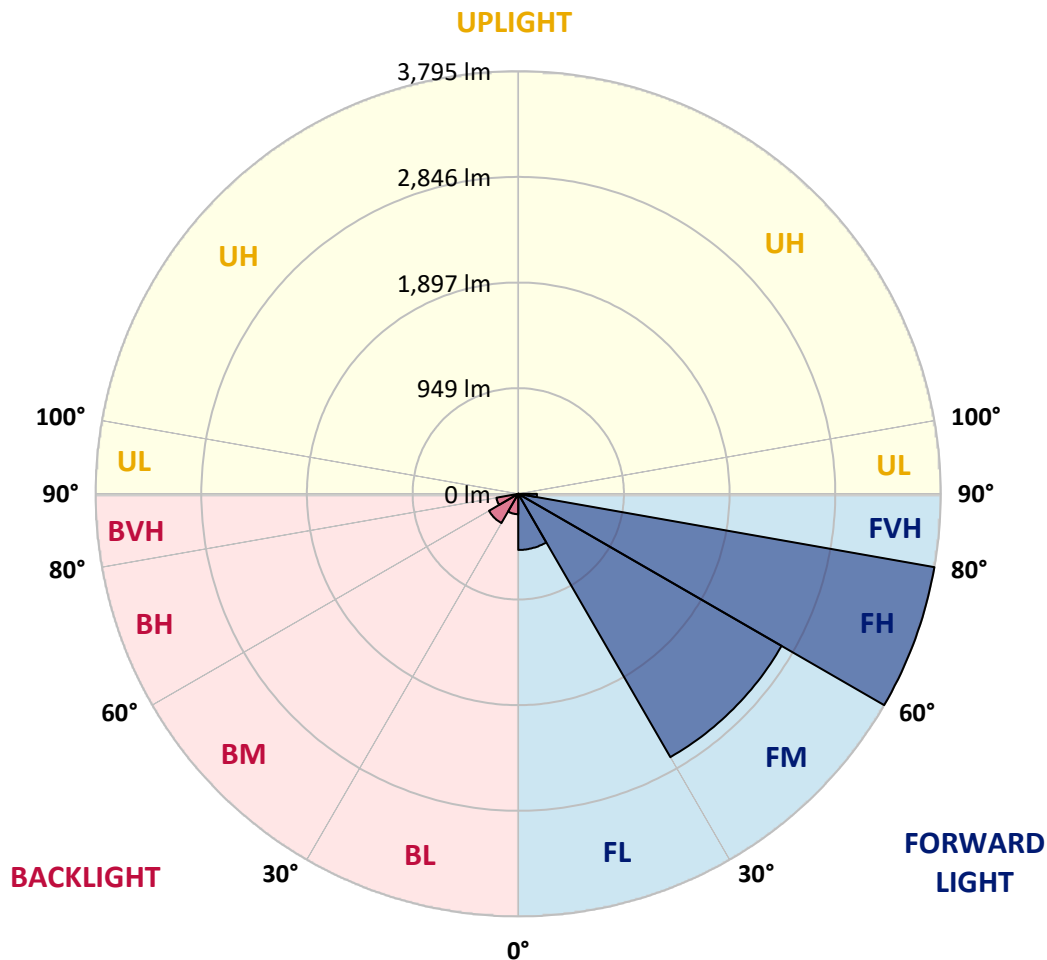


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	504.0	6.4			
FM (30°-60°)	2730.9	34.6			
FH (60°-80°)	3794.9	48.1			G2/5000
FVH (80°-90°)	167.7	2.1			G2/225
BL (0°-30°)	183.3	2.3	B1/500		
BM (30°-60°)	303.6	3.9	B1/1000		
BH (60°-80°)	199.0	2.5	B1/500		G1/500
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: B1-U0-G2
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3
2.5°	1038.2	1043.5	1046.1	1032.8	1032.8	1022.2	1006.2	1000.9	992.9	984.9	982.3
5°	1091.4	1099.4	1096.7	1080.7	1072.8	1051.5	1030.2	1008.9	987.6	968.9	968.9
7.5°	1152.6	1155.3	1147.3	1120.7	1104.7	1075.4	1043.5	1019.5	992.9	966.3	961.0
10°	1205.9	1203.2	1192.5	1165.9	1136.6	1099.4	1064.8	1038.2	1006.2	974.3	971.6
12.5°	1243.1	1245.8	1232.5	1195.2	1165.9	1123.3	1088.7	1062.1	1024.8	990.2	982.3
15°	1275.1	1283.0	1267.1	1229.8	1187.2	1150.0	1123.3	1088.7	1046.1	1006.2	1000.9
17.5°	1304.3	1307.0	1293.7	1251.1	1211.2	1179.2	1150.0	1118.0	1075.4	1024.8	1019.5
20°	1320.3	1328.3	1320.3	1267.1	1229.8	1205.9	1181.9	1150.0	1102.0	1054.1	1048.8
22.5°	1331.0	1338.9	1336.3	1277.7	1245.8	1227.1	1205.9	1176.6	1131.3	1075.4	1070.1
25°	1336.3	1341.6	1346.9	1288.4	1261.8	1253.8	1235.1	1208.5	1165.9	1107.4	1102.0
27.5°	1344.3	1349.6	1354.9	1301.7	1291.0	1283.0	1277.7	1256.4	1205.9	1144.6	1136.6
30°	1357.6	1365.6	1370.9	1325.6	1325.6	1333.6	1333.6	1304.3	1248.4	1184.6	1179.2
32.5°	1373.6	1376.2	1386.9	1349.6	1362.9	1381.5	1376.2	1346.9	1288.4	1229.8	1221.8
35°	1416.1	1416.1	1434.8	1386.9	1402.8	1418.8	1424.1	1402.8	1349.6	1291.0	1288.4
37.5°	1520.0	1520.0	1535.9	1458.7	1456.1	1472.0	1490.7	1490.7	1437.4	1384.2	1378.9
40°	1754.2	1754.2	1754.2	1575.9	1546.6	1565.2	1594.5	1610.5	1565.2	1527.9	1527.9
42.5°	2145.5	2148.2	2108.2	1791.5	1666.4	1698.3	1730.3	1764.9	1740.9	1714.3	1709.0
45°	2550.1	2536.8	2531.5	2108.2	1879.3	1863.3	1903.3	1961.8	1969.8	1953.9	1964.5
47.5°	2827.0	2840.3	2848.3	2502.2	2177.5	2068.3	2105.6	2188.1	2236.0	2233.4	2249.3
50°	3095.8	3103.8	3111.8	2936.1	2571.4	2326.5	2350.5	2462.3	2528.8	2550.1	2560.8
52.5°	3330.1	3308.8	3343.4	3319.4	2989.3	2622.0	2622.0	2749.8	2869.6	2877.5	2874.9
55°	3399.3	3412.6	3516.4	3588.3	3417.9	2984.0	2930.8	3066.5	3194.3	3260.9	3260.9
57.5°	3553.7	3567.0	3692.1	3854.5	3729.4	3340.7	3260.9	3394.0	3532.4	3660.2	3678.8
60°	3756.0	3758.6	3891.7	4139.3	3966.3	3662.8	3596.3	3748.0	3886.4	4104.7	4165.9
62.5°	3865.1	3875.8	4059.4	4384.2	4264.4	3945.0	3929.0	4067.4	4245.8	4629.1	4685.0
65°	3697.4	3766.6	4165.9	4530.6	4506.6	4208.5	4264.4	4376.2	4581.2	5142.8	5196.1
67.5°	3199.6	3276.8	3990.2	4669.0	4716.9	4456.1	4514.6	4677.0	4903.3	5531.5	5457.0
70°	2946.8	3010.6	3564.3	4746.2	4892.6	4732.9	4759.5	4911.3	4977.8	5206.7	5126.9
72.5°	2233.4	2299.9	3016.0	4482.7	5044.4	5023.1	4956.5	4831.4	4437.4	4096.7	3902.4
75°	987.6	1064.8	2007.1	3503.1	4669.0	5188.1	4836.7	4136.6	3186.3	2326.5	2156.2
77.5°	436.6	481.8	777.3	1945.9	3508.4	4490.7	3825.2	2757.8	1599.8	865.1	803.9
80°	141.1	146.4	244.9	681.5	1794.1	2973.4	2342.5	1325.6	492.5	202.3	189.0
82.5°	55.9	61.2	117.1	287.5	742.7	1181.9	1150.0	479.1	143.7	53.2	53.2
85°	16.0	18.6	58.6	151.7	263.5	332.7	407.3	159.7	77.2	16.0	16.0
87.5°	5.3	5.3	21.3	47.9	50.6	34.6	77.2	61.2	47.9	5.3	5.3
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°	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3	982.3
2.5°	976.9	971.6	958.3	947.6	942.3	934.3	923.7	918.4	918.4	915.7	907.7
5°	958.3	950.3	926.4	910.4	897.1	867.8	846.5	819.9	793.3	785.3	793.3
7.5°	950.3	934.3	902.4	870.5	814.5	737.4	686.8	630.9	612.2	588.3	590.9
10°	953.0	934.3	889.1	817.2	708.1	593.6	513.8	439.2	402.0	383.3	386.0
12.5°	961.0	939.7	875.8	745.3	588.3	449.9	327.4	268.9	258.2	258.2	258.2
15°	976.9	945.0	854.5	660.2	460.5	298.1	231.6	226.3	234.2	242.2	244.9
17.5°	992.9	961.0	822.5	572.3	335.4	223.6	215.6	215.6	223.6	231.6	234.2
20°	1011.5	976.9	777.3	479.1	239.6	210.3	207.6	205.0	210.3	218.3	220.9
22.5°	1040.8	992.9	724.0	370.0	207.6	202.3	197.0	194.3	197.0	205.0	207.6
25°	1067.4	1014.2	668.1	274.2	194.3	189.0	186.3	183.7	183.7	189.0	191.7
27.5°	1099.4	1038.2	606.9	205.0	178.3	175.7	173.0	170.4	167.7	173.0	175.7
30°	1139.3	1059.4	540.4	173.0	162.4	159.7	157.1	154.4	151.7	154.4	157.1
32.5°	1189.9	1088.7	463.2	157.1	149.1	141.1	138.4	138.4	135.8	135.8	138.4
35°	1256.4	1120.7	380.7	146.4	135.8	127.8	119.8	117.1	117.1	117.1	119.8
37.5°	1354.9	1179.2	300.8	135.8	125.1	111.8	103.8	95.8	95.8	95.8	95.8
40°	1490.7	1243.1	234.2	127.8	117.1	98.5	87.8	77.2	71.9	69.2	71.9
42.5°	1701.0	1338.9	181.0	117.1	111.8	87.8	71.9	58.6	47.9	45.3	47.9
45°	1932.6	1442.8	143.7	109.1	101.2	74.5	55.9	39.9	29.3	26.6	29.3
47.5°	2225.4	1573.2	122.4	98.5	87.8	61.2	39.9	21.3	13.3	16.0	16.0
50°	2507.5	1701.0	111.8	90.5	77.2	50.6	24.0	10.6	5.3	8.0	8.0
52.5°	2819.0	1836.7	103.8	79.9	66.5	37.3	13.3	2.7	0.0	2.7	2.7
55°	3133.1	1959.2	95.8	71.9	53.2	26.6	5.3	0.0	0.0	0.0	2.7
57.5°	3473.8	2063.0	87.8	61.2	39.9	16.0	2.7	0.0	0.0	0.0	0.0
60°	3758.6	2142.9	79.9	53.2	26.6	8.0	0.0	0.0	0.0	0.0	0.0
62.5°	4019.5	2214.7	61.2	39.9	16.0	5.3	0.0	0.0	0.0	0.0	0.0
65°	4192.5	2230.7	42.6	26.6	10.6	2.7	0.0	0.0	0.0	0.0	0.0
67.5°	4115.3	2092.3	26.6	18.6	5.3	2.7	0.0	0.0	0.0	0.0	0.0
70°	3617.6	1756.9	18.6	10.6	2.7	2.7	0.0	0.0	0.0	0.0	0.0
72.5°	2531.5	1134.0	16.0	8.0	2.7	2.7	0.0	0.0	0.0	0.0	0.0
75°	1336.3	409.9	10.6	5.3	2.7	2.7	0.0	0.0	0.0	0.0	0.0
77.5°	473.8	90.5	5.3	2.7	0.0	2.7	0.0	0.0	0.0	0.0	0.0
80°	103.8	18.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	29.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	0.0	0.0	0.0	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)