

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: P595871

Luminaire Tested: **ISW-PA1F-735-U-T4W-HSS**

Issue Date: 3/22/2022

Test Information

Test Method: LM-79-08
Report Number: P595871
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: ISW-PA1F-735-U-T4W-HSS
Description: IMPACT ELITE LED WEDGE LUMINAIRE
(1) 70 CRI, 3500K, 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: 7531 lumens
Efficiency: N/A
Efficacy: 80.5 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

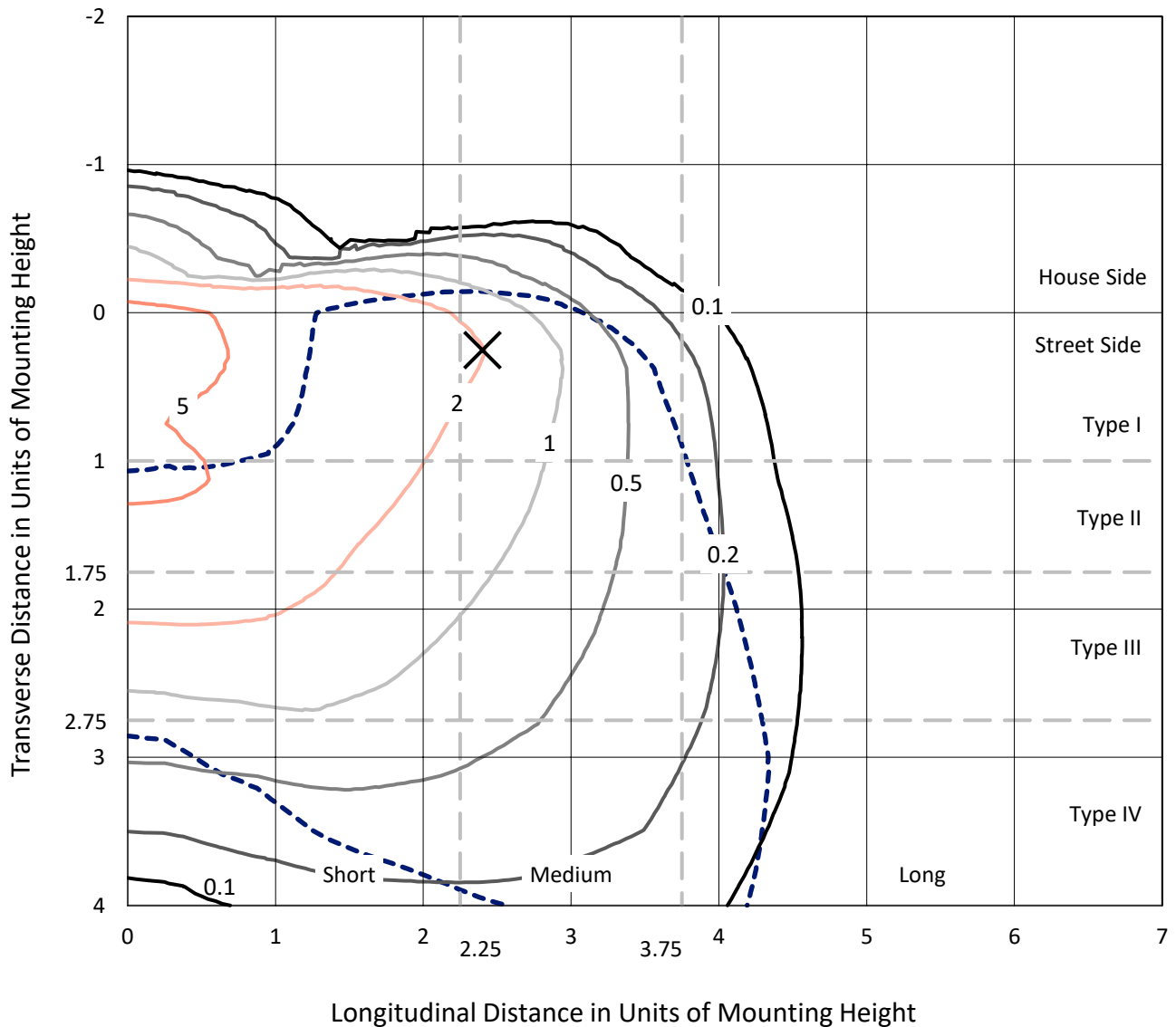
Input Watts (W): 93.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

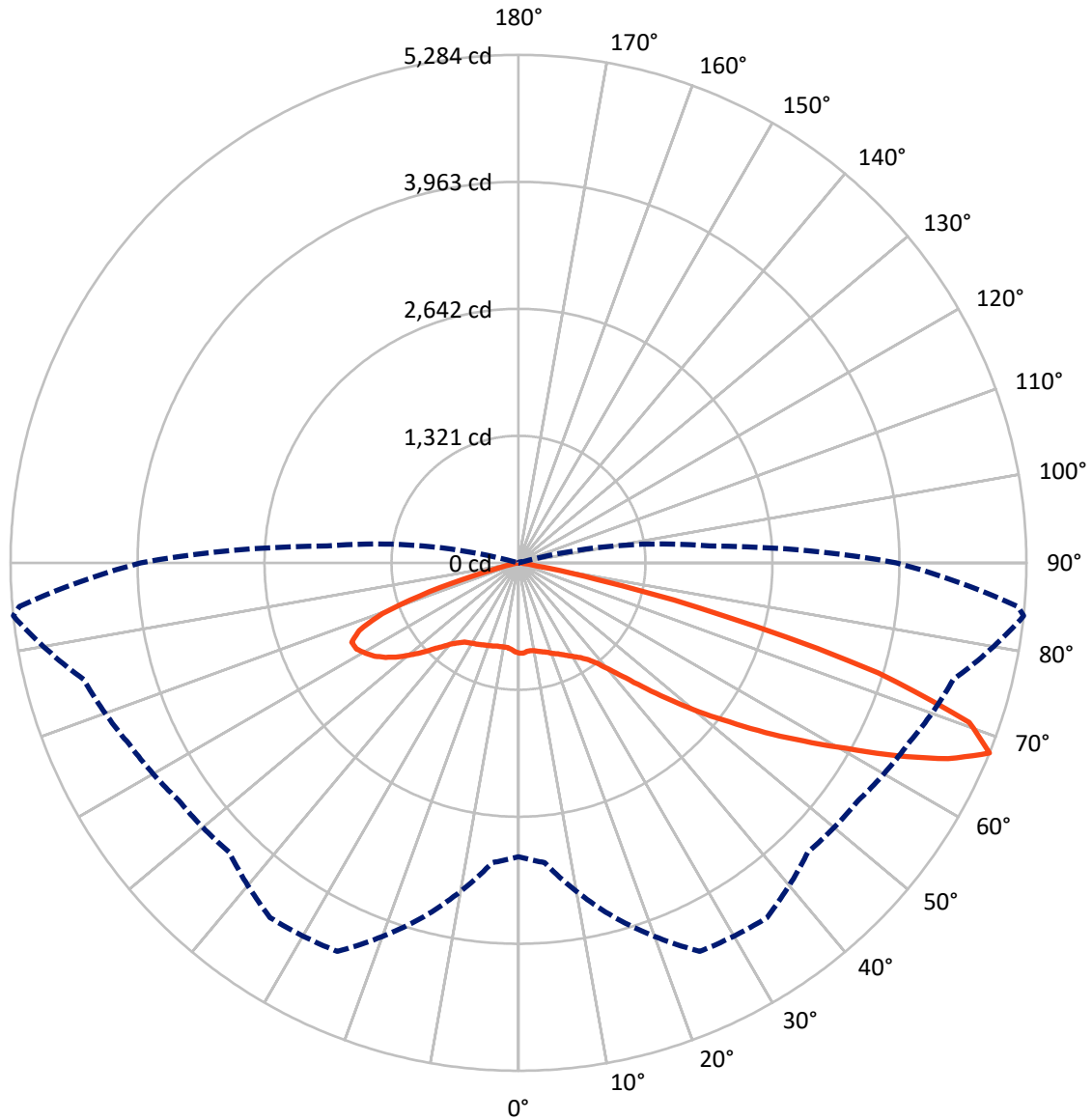
× Max cd
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 7.6 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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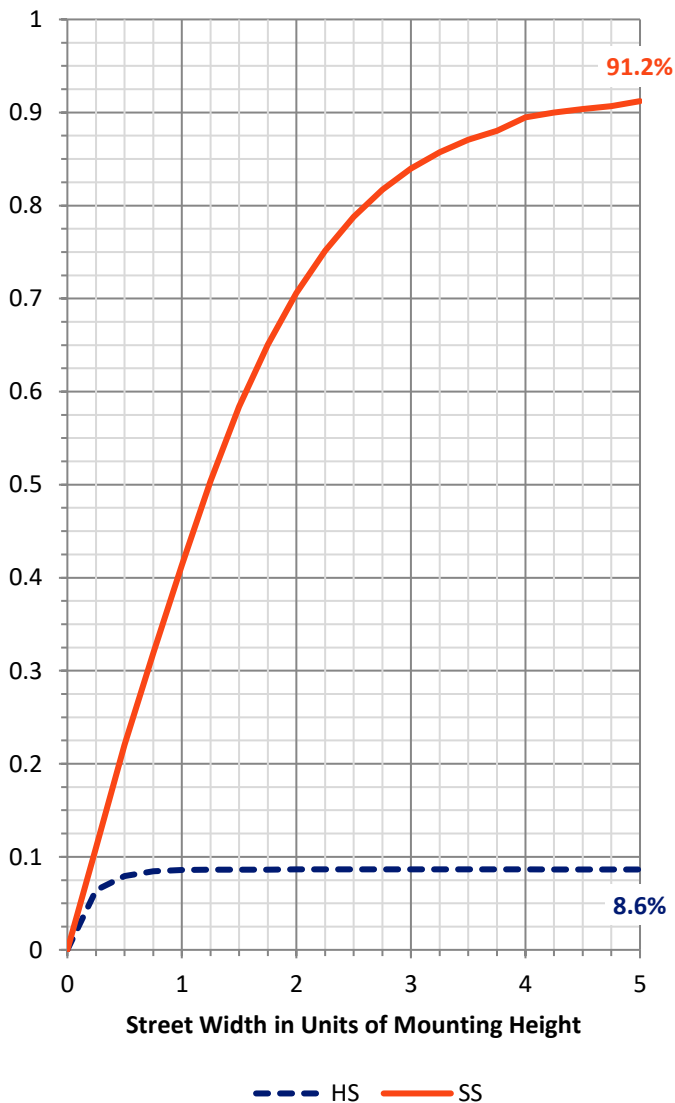
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	655.7	0.0	655.7
	% Fixture	8.7	0.0	8.7
Street Side	Lumens	6875.3	0.0	6875.3
	% Fixture	91.3	0.0	91.3
Total	Lumens	7531.0	0.0	7531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	1.1
10°-20°	220.1	2.9
20°-30°	352.4	4.7
30°-40°	507.2	6.7
40°-50°	870.5	11.6
50°-60°	1520.9	20.2
60°-70°	2178.1	28.9
70°-80°	1637.1	21.7
80°-90°	160.7	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°	7531.0	100.0
0°-180°	7531.0	100.0

Coefficient of Utilization

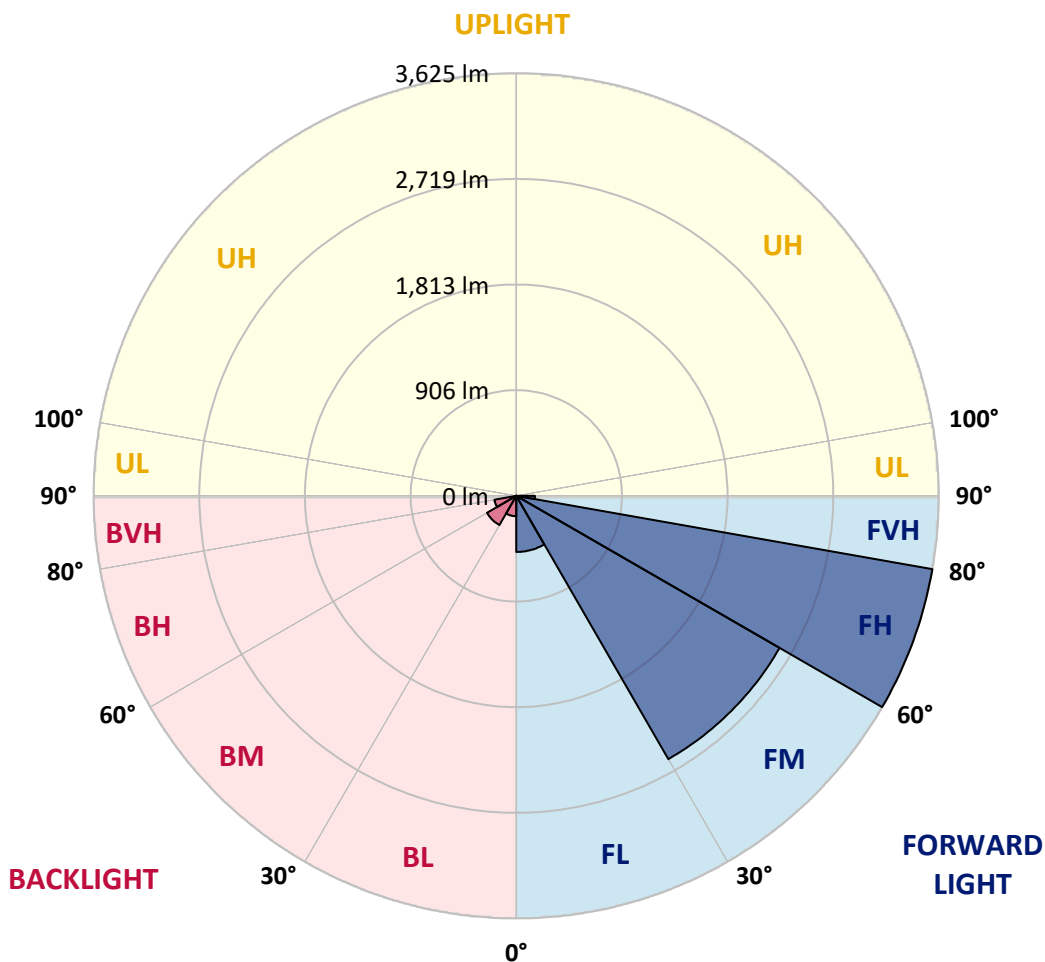


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	481.5	6.4			
FM (30°-60°)	2608.7	34.6			
FH (60°-80°)	3625.0	48.1			G2/5000
FVH (80°-90°)	160.2	2.1			G2/225
BL (0°-30°)	175.1	2.3	B1/500		
BM (30°-60°)	290.0	3.9	B1/1000		
BH (60°-80°)	190.1	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°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3
2.5°	991.7	996.8	999.3	986.6	986.6	976.4	961.2	956.1	948.4	940.8	938.3
5°	1042.5	1050.2	1047.6	1032.4	1024.7	1004.4	984.0	963.7	943.4	925.6	925.6
7.5°	1101.0	1103.6	1095.9	1070.5	1055.2	1027.3	996.8	973.9	948.4	923.0	917.9
10°	1151.9	1149.3	1139.1	1113.7	1085.8	1050.2	1017.1	991.7	961.2	930.6	928.1
12.5°	1187.5	1190.0	1177.3	1141.7	1113.7	1073.0	1040.0	1014.6	979.0	945.9	938.3
15°	1218.0	1225.6	1210.3	1174.7	1134.1	1098.5	1073.0	1040.0	999.3	961.2	956.1
17.5°	1245.9	1248.5	1235.8	1195.1	1156.9	1126.4	1098.5	1068.0	1027.3	979.0	973.9
20°	1261.2	1268.8	1261.2	1210.3	1174.7	1151.9	1129.0	1098.5	1052.7	1006.9	1001.8
22.5°	1271.4	1279.0	1276.5	1220.5	1190.0	1172.2	1151.9	1123.9	1080.7	1027.3	1022.2
25°	1276.5	1281.5	1286.6	1230.7	1205.3	1197.6	1179.8	1154.4	1113.7	1057.8	1052.7
27.5°	1284.1	1289.2	1294.3	1243.4	1233.2	1225.6	1220.5	1200.2	1151.9	1093.4	1085.8
30°	1296.8	1304.4	1309.5	1266.3	1266.3	1273.9	1273.9	1245.9	1192.5	1131.5	1126.4
32.5°	1312.1	1314.6	1324.8	1289.2	1301.9	1319.7	1314.6	1286.6	1230.7	1174.7	1167.1
35°	1352.7	1352.7	1370.5	1324.8	1340.0	1355.3	1360.4	1340.0	1289.2	1233.2	1230.7
37.5°	1451.9	1451.9	1467.2	1393.4	1390.9	1406.1	1423.9	1423.9	1373.1	1322.2	1317.1
40°	1675.7	1675.7	1675.7	1505.3	1477.3	1495.1	1523.1	1538.4	1495.1	1459.5	1459.5
42.5°	2049.5	2052.0	2013.9	1711.3	1591.8	1622.3	1652.8	1685.8	1663.0	1637.5	1632.4
45°	2435.9	2423.2	2418.1	2013.9	1795.2	1779.9	1818.1	1874.0	1881.6	1866.4	1876.5
47.5°	2700.4	2713.1	2720.7	2390.2	2080.0	1975.7	2011.3	2090.1	2135.9	2133.4	2148.6
50°	2957.2	2964.8	2972.5	2804.6	2456.3	2222.4	2245.2	2352.0	2415.6	2435.9	2446.1
52.5°	3181.0	3160.6	3193.7	3170.8	2855.5	2504.6	2504.6	2626.7	2741.1	2748.7	2746.2
55°	3247.1	3259.8	3359.0	3427.6	3264.9	2850.4	2799.6	2929.2	3051.3	3114.9	3114.9
57.5°	3394.6	3407.3	3526.8	3681.9	3562.4	3191.1	3114.9	3242.0	3374.2	3496.3	3514.1
60°	3587.8	3590.4	3717.5	3954.0	3788.7	3498.8	3435.2	3580.2	3712.4	3920.9	3979.4
62.5°	3692.1	3702.2	3877.7	4187.9	4073.5	3768.3	3753.1	3885.3	4055.7	4421.8	4475.2
65°	3531.9	3598.0	3979.4	4327.7	4304.9	4020.1	4073.5	4180.3	4376.1	4912.6	4963.4
67.5°	3056.4	3130.1	3811.6	4460.0	4505.7	4256.6	4312.5	4467.6	4683.7	5283.8	5212.6
70°	2814.8	2875.8	3404.7	4533.7	4673.6	4521.0	4546.4	4691.4	4754.9	4973.6	4897.3
72.5°	2133.4	2196.9	2880.9	4282.0	4818.5	4798.2	4734.6	4615.1	4238.8	3913.3	3727.7
75°	943.4	1017.1	1917.2	3346.2	4460.0	4955.8	4620.2	3951.4	3043.7	2222.4	2059.6
77.5°	417.0	460.2	742.5	1858.7	3351.3	4289.6	3653.9	2634.3	1528.2	826.4	767.9
80°	134.8	139.9	233.9	650.9	1713.8	2840.2	2237.6	1266.3	470.4	193.2	180.5
82.5°	53.4	58.5	111.9	274.6	709.4	1129.0	1098.5	457.7	137.3	50.9	50.9
85°	15.3	17.8	55.9	144.9	251.7	317.8	389.0	152.6	73.7	15.3	15.3
87.5°	5.1	5.1	20.3	45.8	48.3	33.1	73.7	58.5	45.8	5.1	5.1
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°	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3	938.3
2.5°	933.2	928.1	915.4	905.2	900.1	892.5	882.3	877.2	877.2	874.7	867.1
5°	915.4	907.8	884.9	869.6	856.9	828.9	808.6	783.2	757.7	750.1	757.7
7.5°	907.8	892.5	862.0	831.5	778.1	704.3	656.0	602.6	584.8	561.9	564.5
10°	910.3	892.5	849.3	780.6	676.4	567.0	490.7	419.6	384.0	366.2	368.7
12.5°	917.9	897.6	836.6	712.0	561.9	429.7	312.8	256.8	246.6	246.6	246.6
15°	933.2	902.7	816.2	630.6	439.9	284.8	221.2	216.1	223.8	231.4	233.9
17.5°	948.4	917.9	785.7	546.7	320.4	213.6	206.0	206.0	213.6	221.2	223.8
20°	966.2	933.2	742.5	457.7	228.8	200.9	198.3	195.8	200.9	208.5	211.0
22.5°	994.2	948.4	691.6	353.4	198.3	193.2	188.2	185.6	188.2	195.8	198.3
25°	1019.6	968.8	638.2	261.9	185.6	180.5	178.0	175.4	175.4	180.5	183.1
27.5°	1050.2	991.7	579.7	195.8	170.4	167.8	165.3	162.7	160.2	165.3	167.8
30°	1088.3	1012.0	516.2	165.3	155.1	152.6	150.0	147.5	144.9	147.5	150.0
32.5°	1136.6	1040.0	442.4	150.0	142.4	134.8	132.2	132.2	129.7	129.7	132.2
35°	1200.2	1070.5	363.6	139.9	129.7	122.1	114.4	111.9	111.9	111.9	114.4
37.5°	1294.3	1126.4	287.3	129.7	119.5	106.8	99.2	91.5	91.5	91.5	91.5
40°	1423.9	1187.5	223.8	122.1	111.9	94.1	83.9	73.7	68.7	66.1	68.7
42.5°	1624.8	1279.0	172.9	111.9	106.8	83.9	68.7	55.9	45.8	43.2	45.8
45°	1846.0	1378.2	137.3	104.3	96.6	71.2	53.4	38.1	28.0	25.4	28.0
47.5°	2125.7	1502.8	117.0	94.1	83.9	58.5	38.1	20.3	12.7	15.3	15.3
50°	2395.3	1624.8	106.8	86.5	73.7	48.3	22.9	10.2	5.1	7.6	7.6
52.5°	2692.8	1754.5	99.2	76.3	63.6	35.6	12.7	2.5	0.0	2.5	2.5
55°	2992.8	1871.5	91.5	68.7	50.9	25.4	5.1	0.0	0.0	0.0	2.5
57.5°	3318.3	1970.6	83.9	58.5	38.1	15.3	2.5	0.0	0.0	0.0	0.0
60°	3590.4	2046.9	76.3	50.9	25.4	7.6	0.0	0.0	0.0	0.0	0.0
62.5°	3839.5	2115.6	58.5	38.1	15.3	5.1	0.0	0.0	0.0	0.0	0.0
65°	4004.8	2130.8	40.7	25.4	10.2	2.5	0.0	0.0	0.0	0.0	0.0
67.5°	3931.1	1998.6	25.4	17.8	5.1	2.5	0.0	0.0	0.0	0.0	0.0
70°	3455.6	1678.2	17.8	10.2	2.5	2.5	0.0	0.0	0.0	0.0	0.0
72.5°	2418.1	1083.2	15.3	7.6	2.5	2.5	0.0	0.0	0.0	0.0	0.0
75°	1276.5	391.6	10.2	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0
77.5°	452.6	86.5	5.1	2.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0
80°	99.2	17.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	28.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	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)