

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: INVUE

Report Number: P672076

Luminaire Tested: **CCP-SA-2E-722-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672076
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-722-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

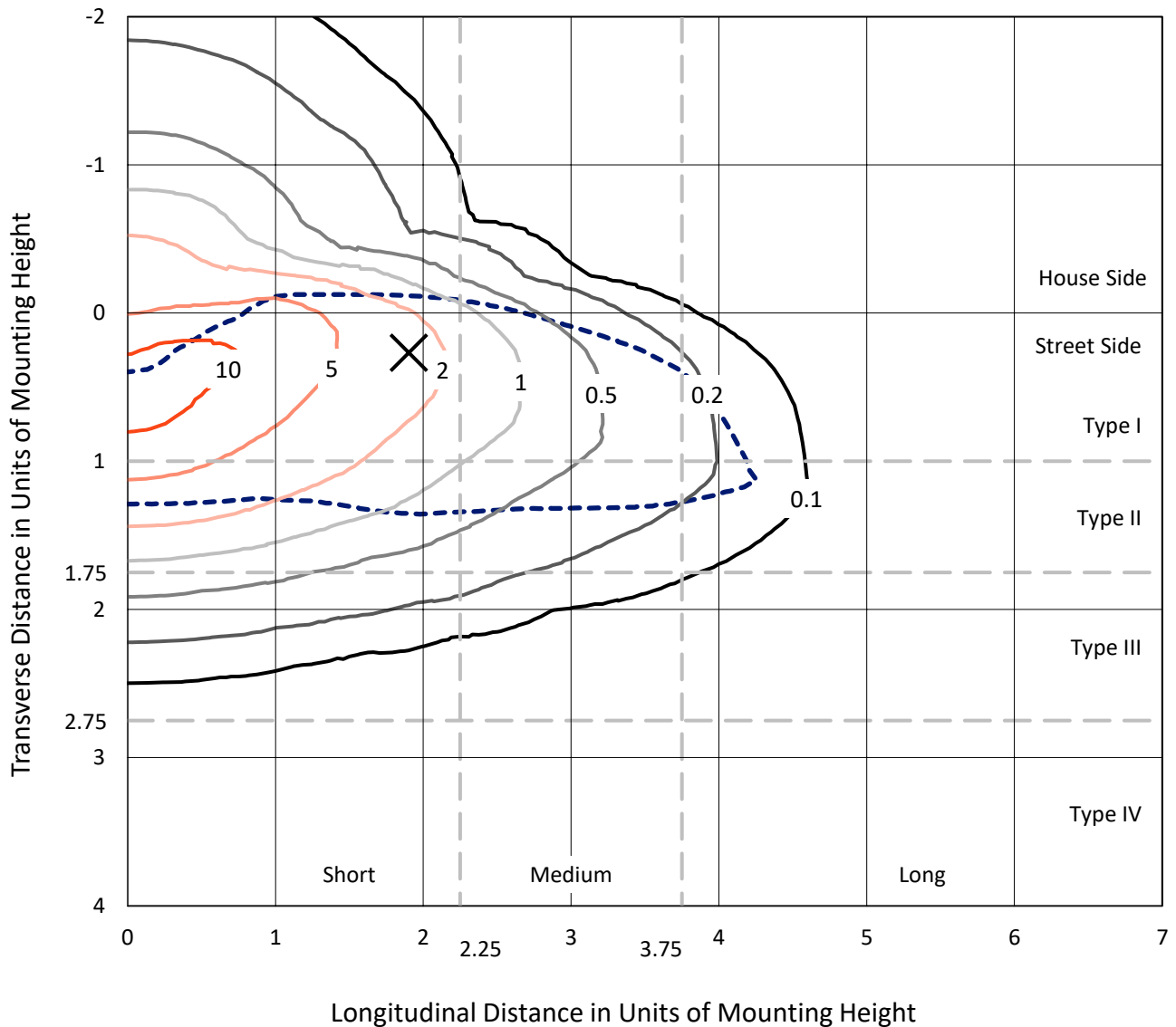
Lumens per Lamp: N/A
Luminaire Lumens: 10230.3 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

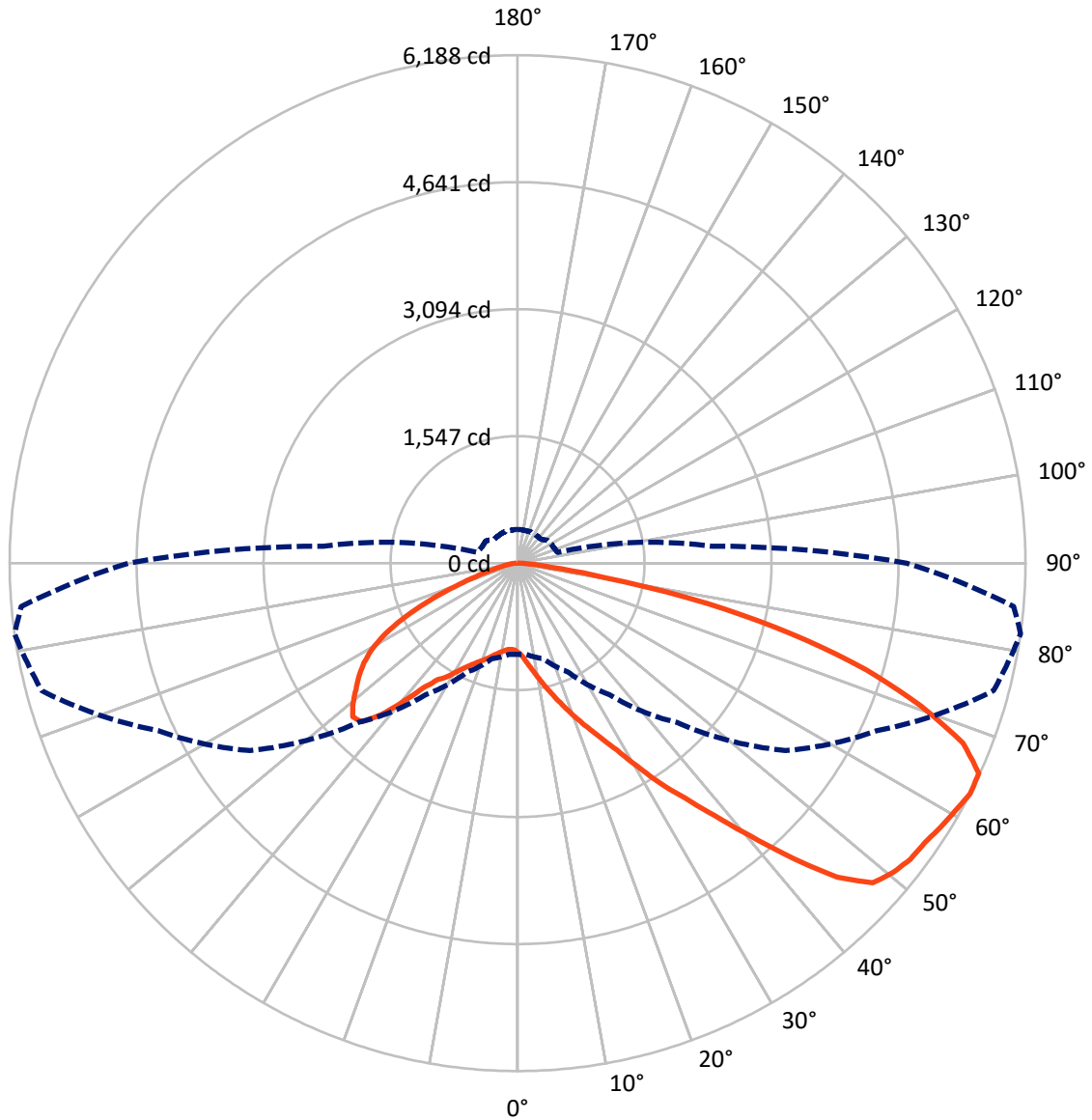
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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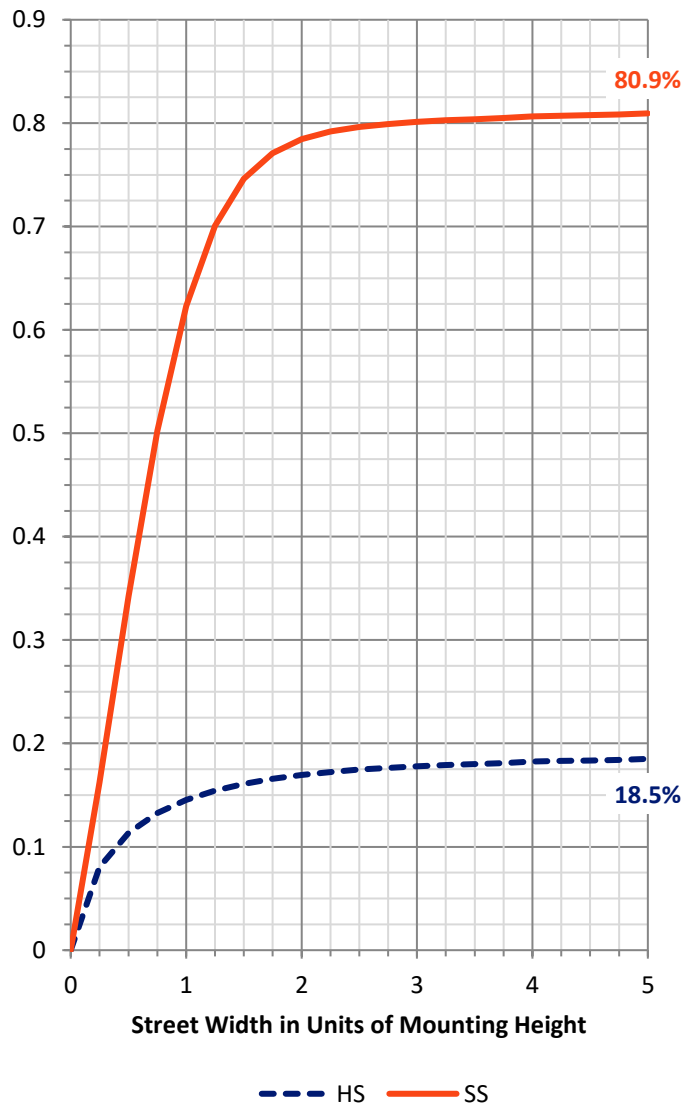
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1927.4	0.0	1927.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	8303.0	0.0	8303.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	10230.3	0.0	10230.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	1.2
10°-20°	454.1	4.4
20°-30°	940.4	9.2
30°-40°	1596.1	15.6
40°-50°	2173.5	21.2
50°-60°	2200.0	21.5
60°-70°	1733.9	16.9
70°-80°	854.1	8.3
80°-90°	158.0	1.5
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°	10230.3	100.0
0°-180°	10230.3	100.0



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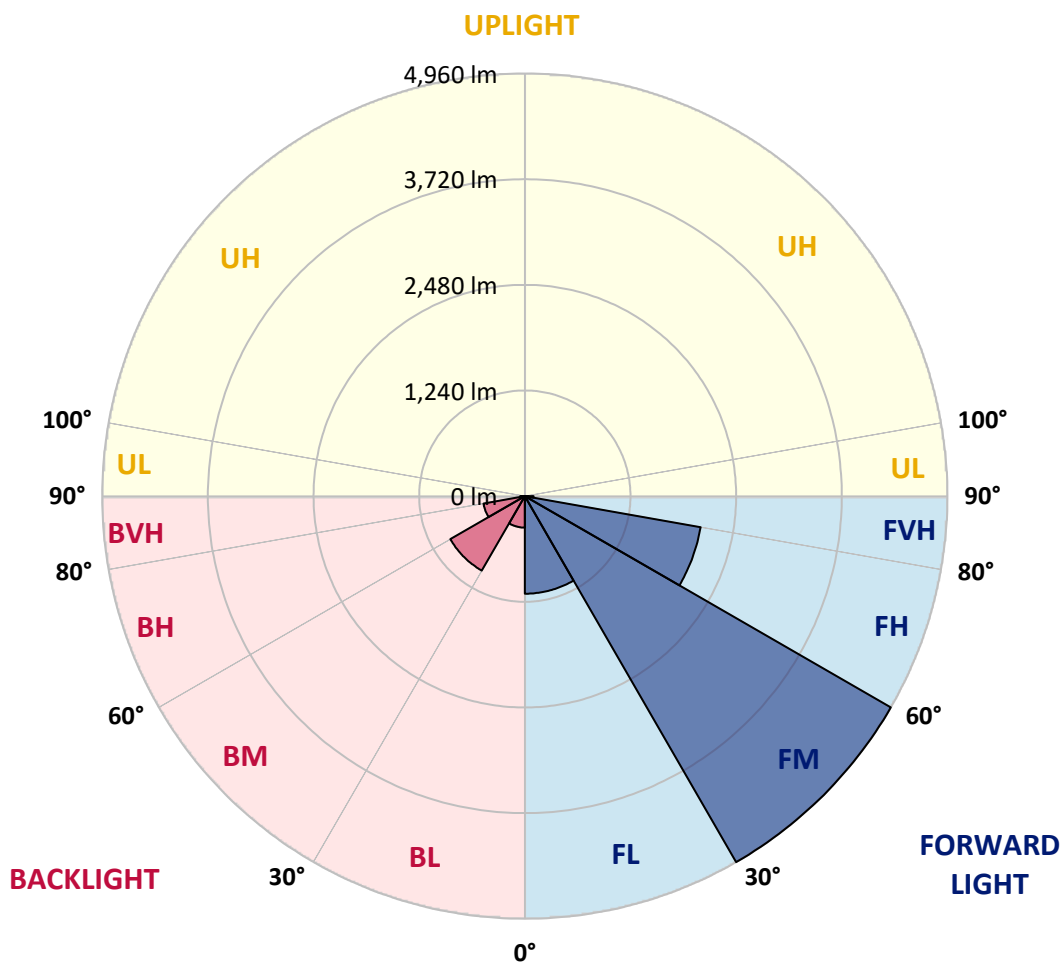
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1145.0	11.2			
FM	(30°-60°)	4960.0	48.5			
FH	(60°-80°)	2095.3	20.5			G2/5000
FVH	(80°-90°)	102.6	1.0			G2/225
BL	(0°-30°)	369.8	3.6	B1/500		
BM	(30°-60°)	1009.5	9.9	B2/2500		
BH	(60°-80°)	492.7	4.8	B1/500		G1/500
BVH	(80°-90°)	55.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9
2.5°	1448.8	1426.8	1415.0	1401.7	1364.9	1341.3	1297.1	1245.6	1185.9	1135.1	1125.5
5°	1754.5	1732.4	1735.4	1703.0	1649.2	1599.1	1516.6	1419.4	1306.0	1219.0	1188.8
7.5°	1970.3	1946.0	1951.9	1938.7	1895.2	1840.0	1735.4	1610.2	1444.4	1315.5	1266.9
10°	2114.7	2117.7	2122.1	2116.9	2088.9	2049.9	1946.0	1807.6	1601.3	1429.7	1363.4
12.5°	2278.2	2286.3	2284.9	2287.1	2272.3	2241.4	2139.8	2009.4	1768.5	1552.7	1466.5
15°	2486.7	2478.6	2485.2	2494.8	2478.6	2444.7	2354.8	2200.2	1943.8	1689.7	1582.9
17.5°	2715.0	2698.1	2715.8	2706.2	2694.4	2672.3	2573.6	2408.6	2125.0	1837.8	1712.5
20°	2912.4	2901.4	2911.0	2912.4	2914.6	2910.2	2808.6	2633.3	2315.1	1999.1	1852.5
22.5°	3134.1	3129.0	3127.5	3128.2	3130.5	3135.6	3066.4	2879.3	2525.7	2168.5	2003.5
25°	3444.2	3439.1	3405.2	3367.6	3345.5	3361.7	3325.7	3158.4	2758.5	2358.5	2169.2
27.5°	3791.9	3783.8	3738.9	3643.9	3573.1	3584.9	3581.2	3466.3	3026.6	2576.6	2368.1
30°	4152.8	4132.9	4071.1	3937.7	3826.5	3805.9	3816.2	3777.9	3364.0	2866.0	2645.1
32.5°	4474.7	4437.9	4356.1	4221.3	4088.7	4029.1	4030.6	4047.5	3730.8	3203.4	2935.3
35°	4671.4	4647.1	4585.9	4449.7	4301.6	4261.8	4250.8	4335.5	4067.4	3515.7	3195.3
37.5°	4777.4	4753.9	4688.3	4578.6	4466.6	4450.4	4471.0	4602.1	4449.7	3905.3	3548.8
40°	4758.3	4733.3	4690.5	4613.9	4540.3	4552.8	4644.1	4846.7	4867.3	4371.6	4052.7
42.5°	4600.7	4574.2	4570.5	4565.3	4530.7	4585.9	4750.9	5025.7	5251.1	4910.0	4662.5
45°	4322.2	4306.0	4325.2	4413.6	4457.0	4563.8	4801.0	5112.6	5588.4	5457.3	5239.3
47.5°	3969.4	3959.8	4003.3	4143.3	4283.9	4496.1	4834.2	5136.2	5820.4	5820.4	5617.1
50°	3574.6	3570.9	3628.4	3831.7	4051.9	4371.6	4830.5	5158.3	5922.1	5927.2	5750.5
52.5°	3023.7	3042.8	3196.0	3464.1	3763.2	4176.4	4778.9	5220.1	5979.5	5991.3	5839.6
55°	2388.7	2407.1	2638.4	2999.3	3382.4	3939.2	4625.0	5201.7	5990.6	6017.1	5890.4
57.5°	1907.0	1910.7	2055.1	2483.7	2958.1	3635.8	4447.5	5079.4	5958.2	6073.8	5968.5
60°	1492.3	1504.1	1600.6	1940.1	2466.1	3244.6	4249.3	4958.6	5976.6	6127.6	6039.2
62.5°	1111.5	1114.4	1204.3	1467.3	1959.3	2746.0	3980.5	4829.7	6002.4	6188.0	6067.9
65°	724.1	723.3	810.2	1047.4	1463.6	2207.5	3558.4	4627.9	6004.6	6174.7	5936.1
67.5°	460.4	463.3	500.9	650.4	979.6	1666.1	2983.9	4253.0	5900.0	5853.6	5455.8
70°	373.4	374.2	386.0	425.0	596.6	1138.8	2242.9	3666.7	5569.3	5213.5	4742.1
72.5°	332.9	333.7	339.6	344.0	397.8	684.3	1471.7	2977.3	4981.5	4443.8	3934.1
75°	299.1	299.1	302.7	298.3	326.3	429.4	835.3	2238.5	4102.7	3460.4	2972.1
77.5°	262.2	261.5	261.5	259.3	282.1	313.8	418.4	1562.3	2955.2	2360.0	1927.6
80°	222.4	221.0	223.2	221.7	243.8	237.9	243.8	964.2	1602.1	1082.0	820.5
82.5°	173.1	173.1	179.7	181.2	201.1	172.4	171.6	457.4	608.4	404.4	302.7
85°	90.6	101.6	137.0	142.9	151.7	108.3	126.0	213.6	243.8	154.7	110.5
87.5°	27.3	28.7	84.0	94.3	93.5	54.5	77.3	103.1	114.2	68.5	44.9
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°	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9	1087.9
2.5°	1101.2	1075.4	1020.9	972.3	935.5	900.1	875.8	863.3	847.1	849.3	844.1
5°	1135.1	1082.0	985.5	907.5	855.2	815.4	791.1	778.6	766.8	760.9	765.3
7.5°	1185.9	1103.4	968.6	874.3	819.8	785.9	772.7	769.0	766.0	763.8	767.5
10°	1251.4	1141.0	965.7	862.5	812.4	791.8	786.7	784.5	781.5	778.6	780.8
12.5°	1318.5	1182.2	976.0	865.5	824.2	808.8	802.1	799.2	791.8	788.1	788.9
15°	1402.4	1232.3	990.0	877.3	839.7	819.8	811.0	802.9	791.1	785.9	788.1
17.5°	1492.3	1292.0	1009.1	888.3	845.6	821.3	803.6	791.8	780.0	772.7	773.4
20°	1594.0	1350.9	1026.1	892.0	842.6	808.8	787.4	773.4	757.9	749.8	747.6
22.5°	1699.3	1412.8	1039.3	889.1	826.4	787.4	763.1	746.2	727.7	715.2	716.0
25°	1827.5	1496.7	1050.4	878.7	805.1	759.4	732.2	710.8	691.6	679.9	680.6
27.5°	1981.4	1591.7	1063.6	862.5	779.3	729.2	697.5	676.2	657.8	646.7	645.2
30°	2186.9	1715.5	1078.4	842.6	746.9	696.1	665.1	643.0	625.4	615.0	615.0
32.5°	2418.2	1866.5	1088.7	819.1	710.8	660.7	632.7	615.0	601.8	587.8	586.3
35°	2619.3	1983.6	1120.3	800.7	679.1	627.6	608.4	595.9	576.0	562.7	560.5
37.5°	2914.6	2189.8	1213.9	795.5	640.8	601.8	598.1	574.5	551.7	526.7	524.4
40°	3390.5	2547.1	1322.9	770.5	601.0	587.8	584.1	552.4	498.7	483.2	480.2
42.5°	3995.9	2977.3	1334.7	697.5	573.1	576.0	565.0	503.1	479.5	467.7	464.8
45°	4542.5	3326.4	1267.7	623.1	552.4	558.3	535.5	484.7	471.4	460.4	457.4
47.5°	4849.6	3433.9	1141.0	567.2	537.0	542.9	488.4	475.8	462.6	451.5	448.6
50°	4935.8	3340.4	993.6	534.8	525.2	527.4	475.8	468.5	456.7	447.8	443.4
52.5°	4952.8	3200.4	857.4	515.6	516.3	496.5	464.8	458.9	451.5	437.5	432.4
55°	4960.1	3074.5	735.1	503.8	510.4	456.7	453.0	448.6	442.7	428.0	425.0
57.5°	4979.3	2913.2	639.4	495.0	503.1	438.3	439.7	436.8	429.4	422.8	421.3
60°	4924.8	2690.0	565.7	486.1	492.8	422.8	424.3	425.7	419.1	417.6	416.9
62.5°	4742.1	2373.3	503.1	474.4	471.4	407.3	407.3	413.2	407.3	409.5	409.5
65°	4365.7	1969.6	447.1	452.3	438.3	390.4	389.7	400.0	391.1	400.7	401.4
67.5°	3724.1	1490.8	389.7	417.6	403.6	372.7	375.7	383.8	372.0	391.9	391.9
70°	2947.8	1014.3	330.0	369.0	368.3	352.8	362.4	361.7	348.4	377.9	372.7
72.5°	2195.7	651.1	268.9	309.4	321.9	331.5	349.1	333.7	321.1	338.1	322.6
75°	1534.3	408.1	212.1	244.5	268.1	307.9	332.9	302.0	283.6	278.4	274.0
77.5°	918.5	260.7	167.2	186.4	209.2	279.9	312.3	268.9	240.9	237.9	229.1
80°	423.5	170.1	127.4	139.2	148.8	240.1	284.3	229.8	195.9	193.0	182.7
82.5°	191.5	112.0	95.0	99.4	100.2	190.8	240.1	181.9	149.5	242.3	209.9
85°	89.1	72.2	61.9	58.9	59.7	127.4	174.6	125.2	170.1	132.6	100.9
87.5°	38.3	36.8	31.7	25.0	22.8	27.3	67.0	52.3	74.4	29.5	19.9
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)