

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: P674541

Luminaire Tested: **CCP-SA-1F-730-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674541
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-730-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

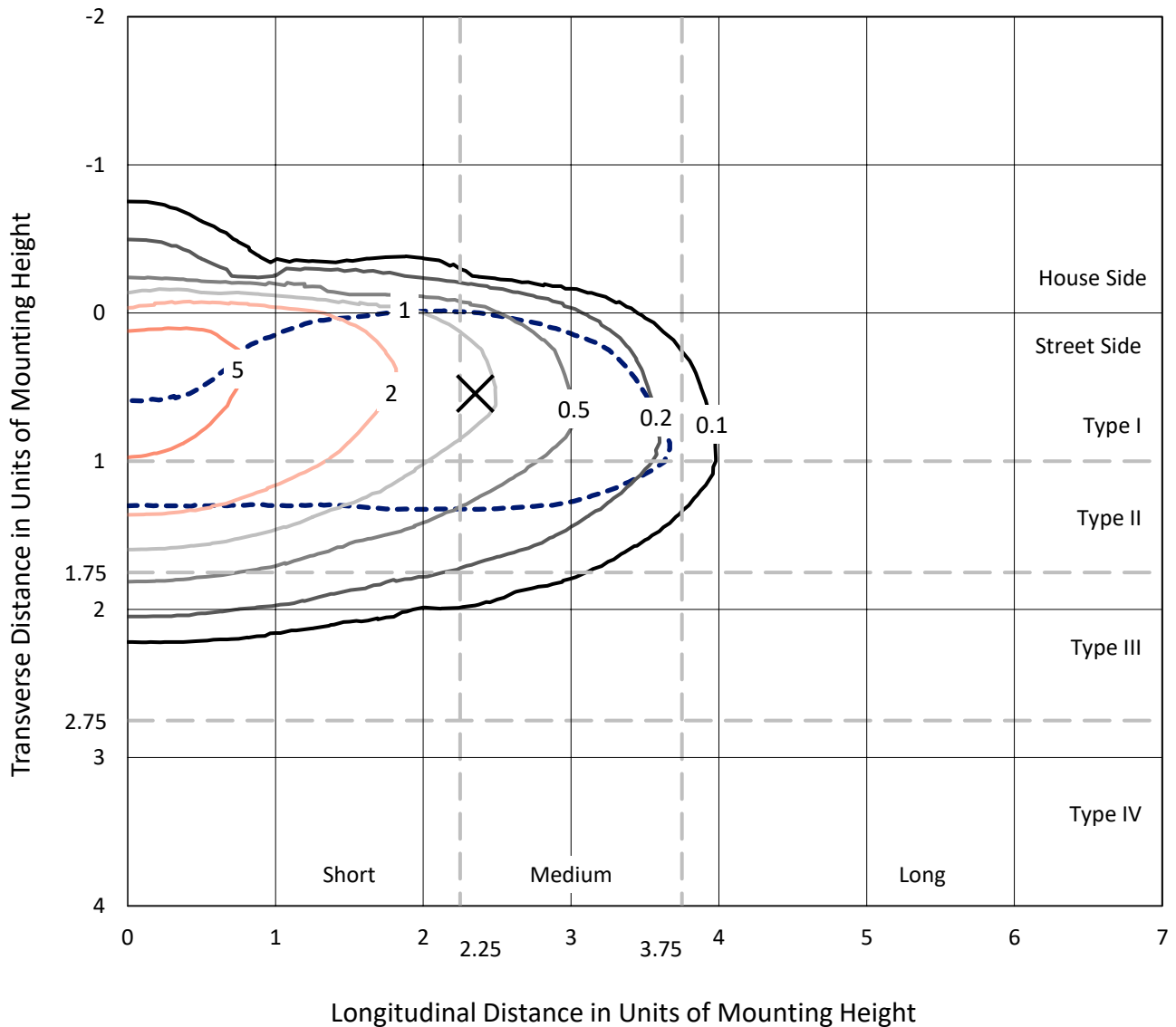
Lumens per Lamp: N/A
Luminaire Lumens: 5528.2 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 67
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

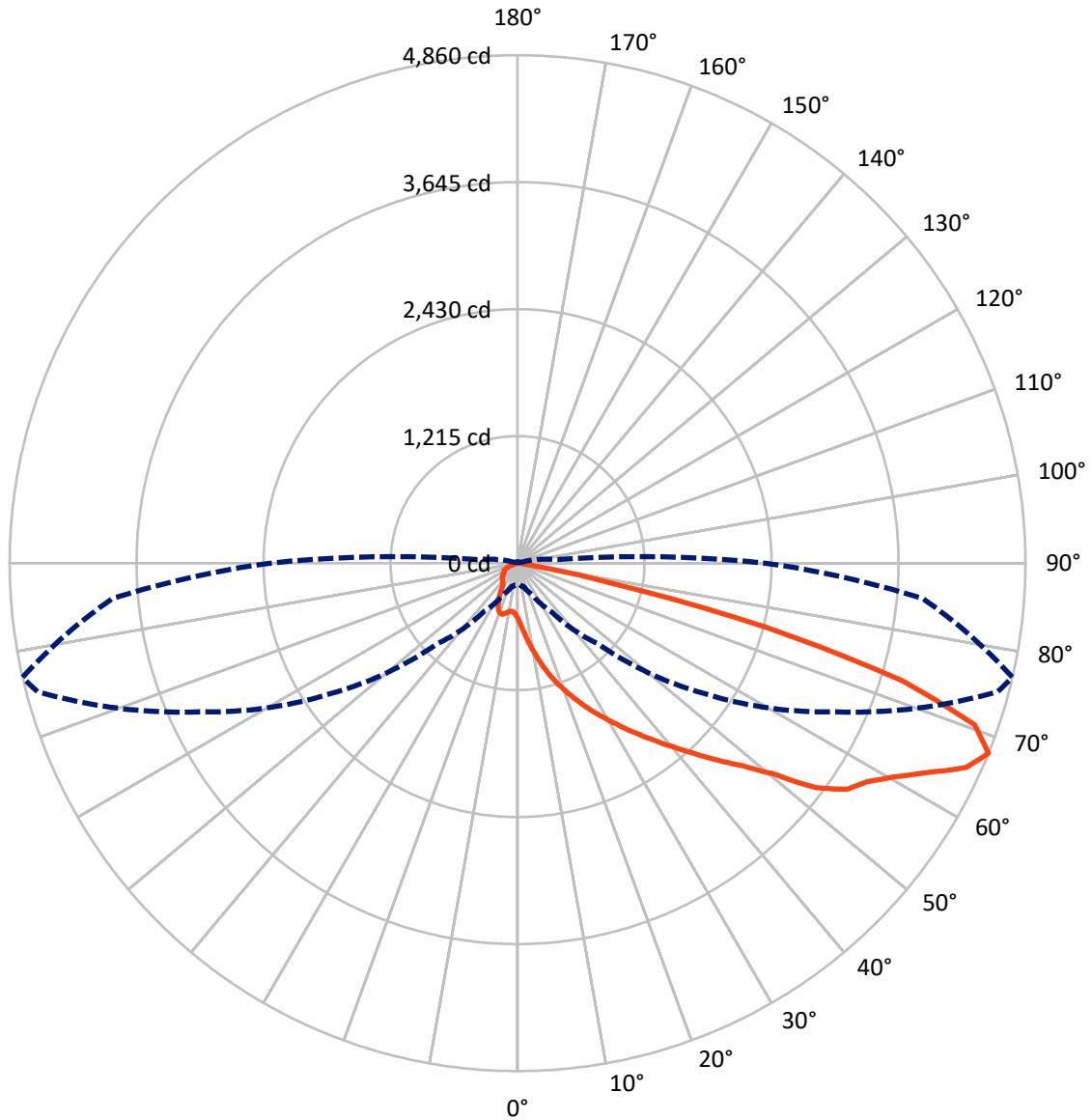
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	345.5	0.0	345.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	5182.7	0.0	5182.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	5528.2	0.0	5528.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	1.1
10°-20°	230.1	4.2
20°-30°	449.6	8.1
30°-40°	786.0	14.2
40°-50°	1146.3	20.7
50°-60°	1340.5	24.2
60°-70°	1086.6	19.7
70°-80°	408.2	7.4
80°-90°	18.6	0.3
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°	5528.2	100.0
0°-180°	5528.2	100.0



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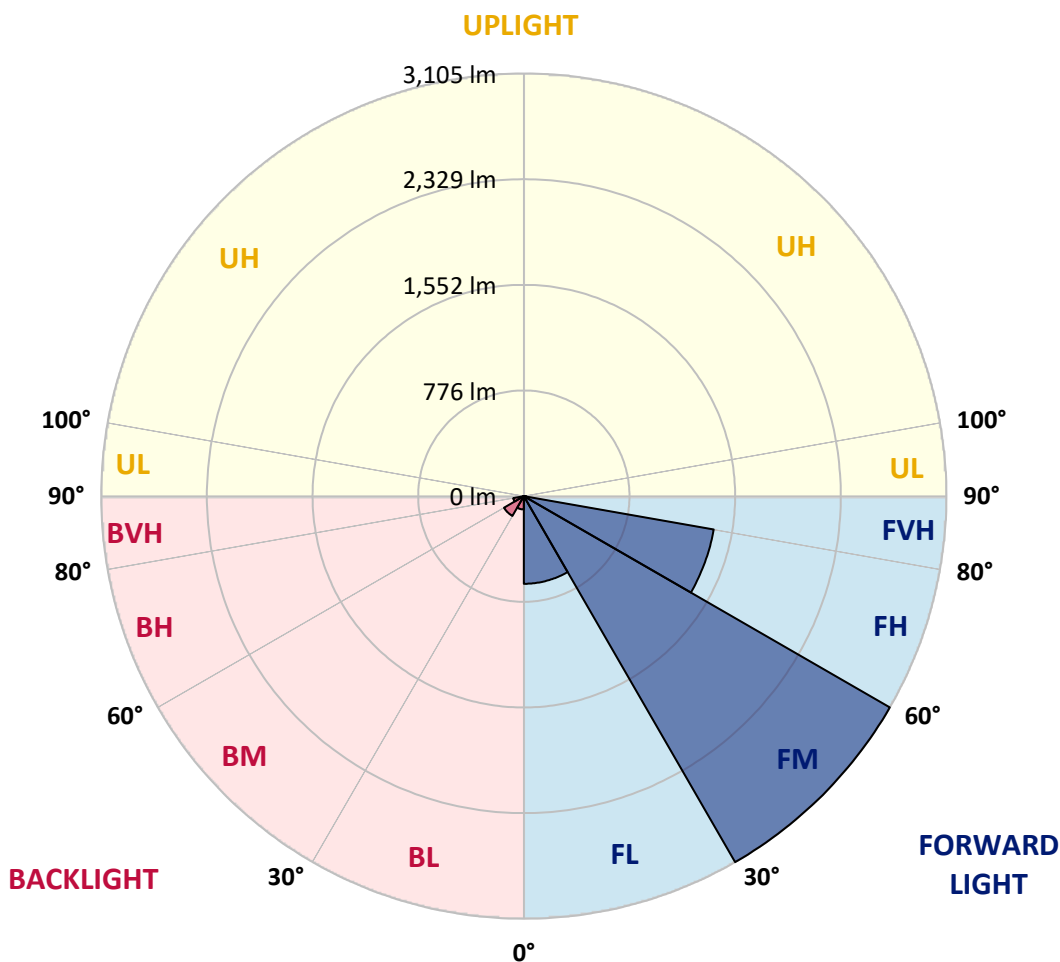
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.0	11.6			
FM (30°-60°)	3104.7	56.2			
FH (60°-80°)	1416.5	25.6			G1/1800
FVH (80°-90°)	17.5	0.3			G1/100
BL (0°-30°)	98.0	1.8	B0/110		
BM (30°-60°)	168.1	3.0	B0/220		
BH (60°-80°)	78.4	1.4	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5
2.5°	795.0	766.0	771.5	759.6	744.1	708.2	670.2	632.3	598.4	590.9	556.9
5°	1018.1	1009.1	999.6	991.6	959.2	914.3	845.9	759.1	680.7	667.2	596.9
7.5°	1191.2	1177.8	1186.2	1161.8	1127.9	1084.4	997.6	904.8	784.0	764.0	654.8
10°	1319.0	1311.5	1315.5	1304.0	1287.6	1244.1	1158.3	1042.0	902.3	864.4	719.6
12.5°	1414.8	1416.3	1433.8	1434.8	1421.3	1385.9	1295.0	1173.8	1009.6	975.6	791.5
15°	1484.7	1486.2	1507.6	1530.6	1546.1	1527.6	1445.3	1309.5	1135.8	1089.4	866.9
17.5°	1496.2	1497.2	1535.1	1581.5	1629.4	1645.4	1582.0	1444.3	1251.1	1198.2	953.2
20°	1503.6	1512.1	1546.1	1599.5	1675.3	1724.7	1690.3	1573.5	1362.9	1301.5	1038.0
22.5°	1594.5	1594.5	1614.4	1652.4	1712.7	1790.1	1783.1	1692.3	1471.7	1410.8	1122.4
25°	1787.1	1787.1	1767.6	1757.7	1790.1	1851.0	1868.4	1819.0	1596.0	1524.1	1211.2
27.5°	2042.1	2042.1	2011.7	1938.3	1910.4	1935.8	1954.3	1929.3	1710.7	1639.9	1305.0
30°	2306.6	2315.6	2262.7	2169.4	2071.6	2052.1	2034.1	2028.6	1833.0	1753.2	1400.3
32.5°	2572.1	2571.1	2505.2	2389.0	2261.2	2192.3	2133.9	2127.5	1962.8	1884.4	1490.7
35°	2784.2	2784.7	2715.3	2596.1	2448.3	2360.5	2266.7	2236.2	2105.0	2017.7	1598.5
37.5°	2967.9	2957.4	2882.5	2769.2	2631.5	2540.7	2423.9	2344.5	2252.2	2163.4	1706.3
40°	3073.2	3059.2	2986.3	2878.5	2774.2	2704.9	2602.0	2475.3	2413.9	2318.1	1829.0
42.5°	3088.6	3076.6	3028.2	2963.4	2878.0	2817.1	2789.7	2623.0	2583.6	2496.8	1975.7
45°	3045.2	3025.7	3009.8	2975.8	2951.9	2922.4	2959.9	2780.2	2778.2	2691.9	2121.0
47.5°	2937.4	2911.0	2915.0	2952.4	2979.3	3005.8	3122.6	2986.3	2974.3	2893.5	2311.6
50°	2753.3	2740.3	2784.2	2858.1	2964.9	3070.7	3284.8	3196.9	3244.3	3168.5	2574.6
52.5°	2379.0	2394.9	2526.2	2703.9	2888.5	3101.1	3437.0	3511.3	3632.6	3570.2	2839.1
55°	1929.8	1923.8	2099.0	2414.4	2709.3	3081.6	3503.3	3696.5	3887.1	3821.7	2986.3
57.5°	1554.5	1565.0	1683.3	1995.2	2405.4	2931.4	3518.8	3793.3	3989.4	3946.0	3122.6
60°	1166.8	1176.8	1284.6	1556.0	2001.2	2618.0	3391.0	3827.2	4181.5	4148.6	3340.1
62.5°	742.6	755.6	863.9	1127.9	1529.6	2130.9	3104.1	3791.8	4382.2	4409.6	3637.1
65°	365.3	376.8	456.6	658.7	1022.6	1593.5	2703.9	3656.5	4637.7	4716.0	3875.1
67.5°	202.1	207.6	235.1	335.4	570.4	1092.9	2172.9	3367.6	4755.0	4859.8	3891.1
70°	157.2	158.7	169.2	195.6	278.0	641.3	1545.6	2886.5	4511.9	4638.7	3567.2
72.5°	132.2	134.2	139.2	148.2	173.7	333.9	971.2	2230.8	3796.3	3853.7	2759.7
75°	96.8	99.8	113.8	121.8	137.2	202.6	428.2	1340.4	2508.7	2452.3	1544.1
77.5°	81.3	83.8	87.3	98.8	113.3	138.2	150.2	561.9	1021.1	887.8	405.2
80°	55.4	58.4	67.9	73.9	95.8	91.3	62.4	150.7	205.1	167.2	77.9
82.5°	39.4	41.9	46.9	60.4	69.4	48.4	33.9	45.9	49.4	46.9	25.5
85°	12.5	16.0	33.9	49.9	37.4	16.5	21.5	17.5	15.5	15.0	10.0
87.5°	2.5	2.5	17.0	20.0	15.0	8.5	7.5	5.5	7.0	7.0	5.5
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°	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5
2.5°	541.0	518.5	486.1	455.6	424.7	402.7	387.3	371.8	365.8	363.3	356.8
5°	564.9	522.0	457.6	405.7	367.8	343.8	329.4	316.9	308.9	306.4	302.9
7.5°	599.4	537.5	445.2	385.3	347.3	321.4	297.9	271.0	249.5	241.0	237.5
10°	636.8	560.9	447.1	381.3	330.9	274.0	221.6	178.2	159.2	152.2	147.2
12.5°	691.7	586.9	455.6	376.8	281.5	195.6	141.7	123.8	119.3	118.3	117.3
15°	746.6	623.3	469.6	346.8	210.1	133.2	117.8	111.3	108.8	106.3	106.3
17.5°	802.0	658.2	475.1	288.5	145.2	115.3	107.3	101.8	97.8	95.8	94.3
20°	864.4	695.2	459.1	217.1	116.3	105.3	96.3	89.8	86.3	84.3	82.8
22.5°	931.7	731.6	424.2	151.2	105.8	94.8	86.3	79.8	76.4	74.4	73.9
25°	995.1	763.0	368.3	113.8	95.3	84.8	76.9	71.4	68.9	66.9	66.4
27.5°	1060.5	790.0	295.4	100.3	86.8	76.9	68.9	64.4	61.9	60.4	59.9
30°	1124.4	808.5	220.1	91.8	79.3	69.4	62.4	58.9	56.4	54.9	54.4
32.5°	1190.2	818.9	148.7	84.3	71.9	62.9	56.9	53.4	51.9	50.4	50.4
35°	1253.6	817.4	107.3	77.4	65.9	56.9	51.4	48.9	48.4	46.9	46.9
37.5°	1323.0	807.0	91.3	70.9	59.4	51.4	46.9	45.4	44.9	43.9	43.4
40°	1401.8	783.5	83.3	65.9	53.9	46.9	42.9	41.9	41.4	40.4	40.4
42.5°	1488.2	753.1	78.8	60.4	49.4	42.4	39.4	37.9	37.4	36.4	36.4
45°	1588.5	724.1	75.9	54.9	45.4	38.9	35.9	34.4	33.9	32.9	32.9
47.5°	1725.2	707.7	70.9	49.9	40.9	35.4	32.4	31.4	30.4	29.4	29.4
50°	1913.4	688.2	64.4	44.9	37.4	31.9	29.9	28.4	27.9	26.9	26.9
52.5°	2068.1	646.8	57.9	39.9	33.4	29.4	27.4	26.4	25.5	25.0	25.0
55°	2122.5	598.4	51.4	35.9	30.4	27.4	25.5	24.5	24.0	23.5	23.5
57.5°	2209.3	582.9	45.4	31.9	27.4	25.5	23.5	23.0	22.5	22.0	21.5
60°	2357.5	591.9	39.9	28.4	25.0	23.0	21.5	21.0	20.0	19.0	19.0
62.5°	2501.2	580.9	33.9	25.0	21.5	20.5	19.0	18.0	16.0	14.5	13.5
65°	2536.2	507.5	29.4	21.0	18.0	17.0	15.5	13.5	10.5	8.5	8.5
67.5°	2367.0	385.8	25.5	18.0	15.0	14.0	11.0	9.0	6.5	5.0	5.0
70°	1953.3	244.5	21.0	14.0	12.5	9.5	7.0	6.5	4.5	4.0	3.5
72.5°	1409.3	133.7	17.5	11.5	9.0	6.0	5.0	4.0	3.0	2.0	2.0
75°	713.6	62.9	13.0	9.0	6.0	4.0	3.0	2.0	2.0	1.5	1.5
77.5°	202.1	28.9	8.5	6.0	4.0	2.5	2.0	1.5	1.5	1.0	1.0
80°	39.9	14.5	5.5	4.0	3.0	2.0	1.5	1.0	1.0	0.5	0.5
82.5°	14.5	7.5	4.0	3.0	2.5	2.0	1.0	0.5	0.5	0.0	0.0
85°	7.5	4.0	3.0	2.5	2.0	1.5	1.0	0.5	0.0	0.0	0.0
87.5°	4.0	3.0	2.5	2.5	2.0	1.5	1.0	0.5	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)