

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: P674561

Luminaire Tested: **CCP-SA-1D-740-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674561
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-740-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

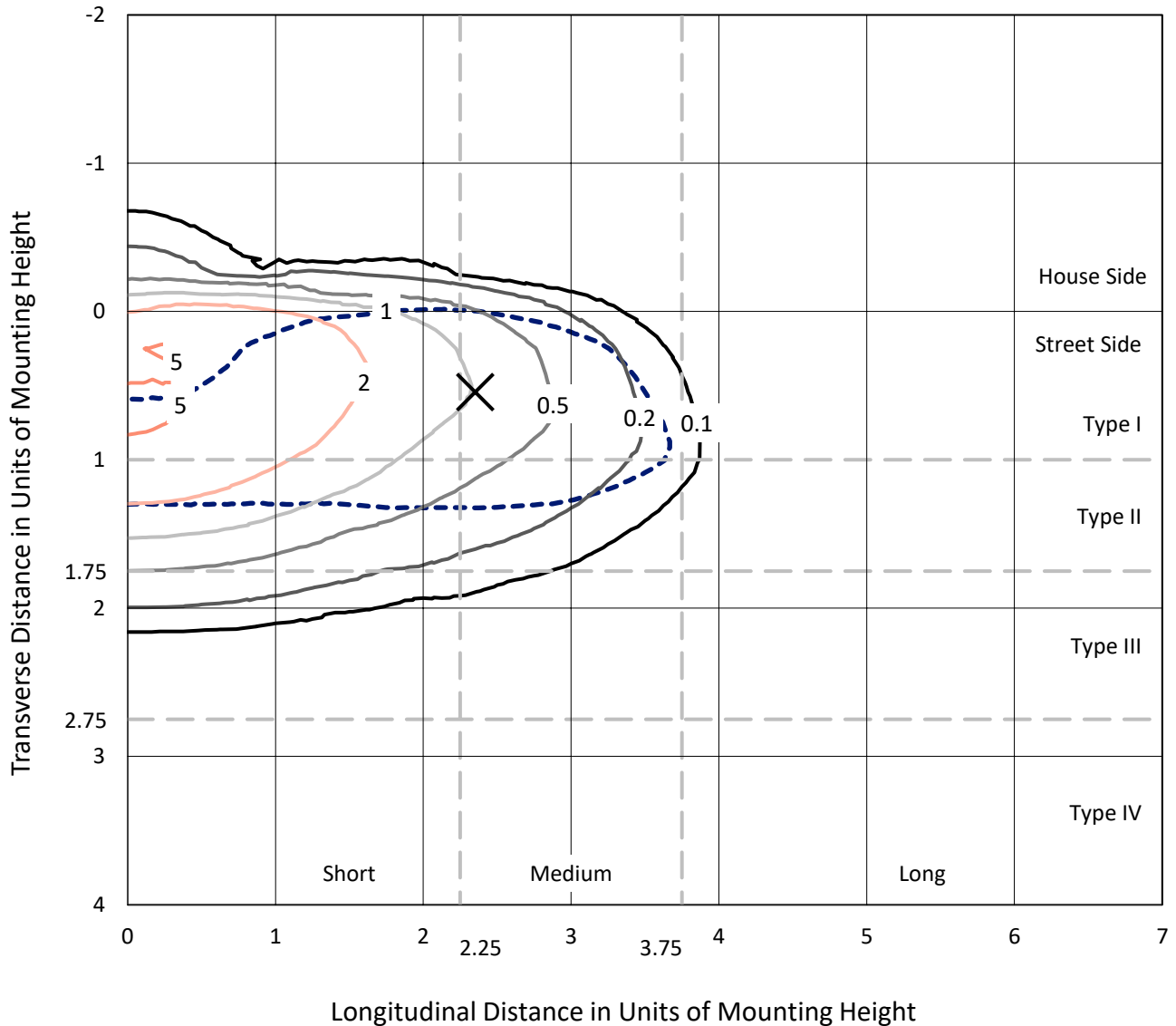
Lumens per Lamp: N/A
Luminaire Lumens: 4515.6 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 44
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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 CATALOG NUMBER: CCP-SA-1D-740-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

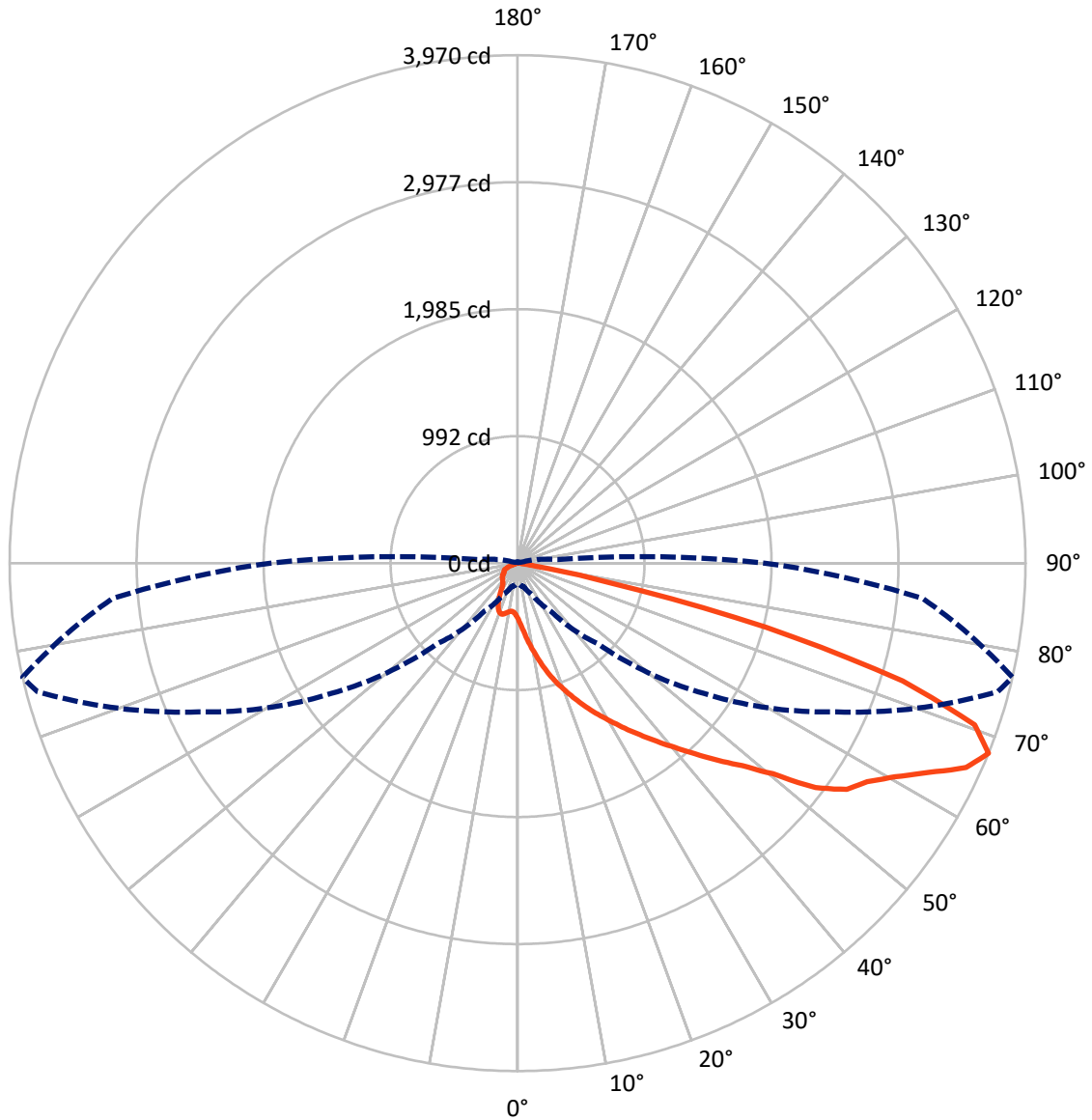
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Medium - N/A

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CATALOG NUMBER: CCP-SA-1D-740-U-T2R-HSS

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	282.2	0.0	282.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4233.4	0.0	4233.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	4515.6	0.0	4515.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	1.1
10°-20°	188.0	4.2
20°-30°	367.2	8.1
30°-40°	642.1	14.2
40°-50°	936.4	20.7
50°-60°	1094.9	24.2
60°-70°	887.6	19.7
70°-80°	333.4	7.4
80°-90°	15.2	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°	4515.6	100.0
0°-180°	4515.6	100.0

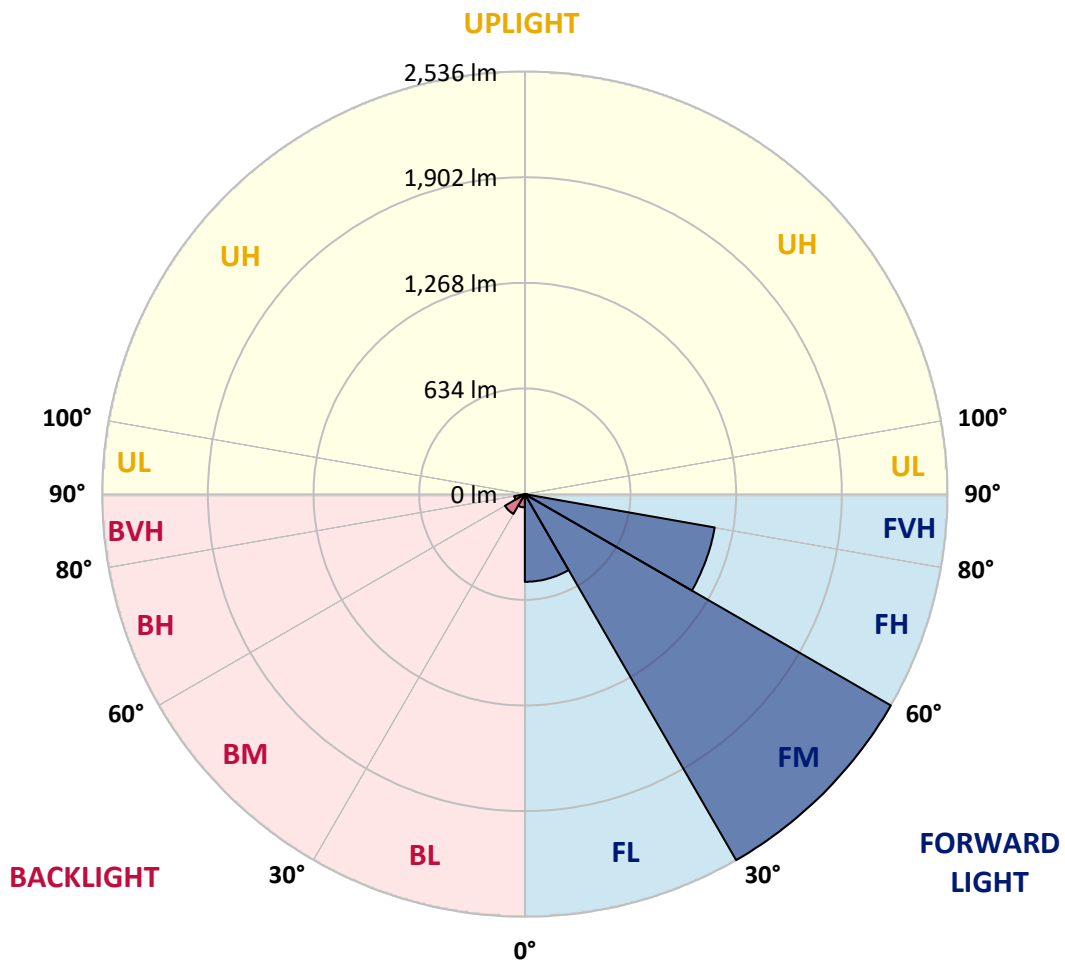


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.0	11.6			
FM (30°-60°)	2536.1	56.2			
FH (60°-80°)	1157.0	25.6			G1/1800
FVH (80°-90°)	14.3	0.3			G1/100
BL (0°-30°)	80.0	1.8	B0/110		
BM (30°-60°)	137.3	3.0	B0/220		
BH (60°-80°)	64.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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°	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5
2.5°	649.4	625.7	630.2	620.4	607.8	578.4	547.5	516.5	488.8	482.7	454.9
5°	831.6	824.3	816.5	810.0	783.5	746.8	691.0	620.0	556.0	545.0	487.5
7.5°	973.0	962.0	969.0	949.0	921.3	885.8	814.9	739.1	640.4	624.1	534.8
10°	1077.4	1071.3	1074.6	1065.2	1051.7	1016.3	946.1	851.2	737.0	706.0	587.8
12.5°	1155.7	1156.9	1171.2	1172.0	1161.0	1132.0	1057.8	958.8	824.7	796.9	646.5
15°	1212.7	1214.0	1231.5	1250.2	1262.9	1247.8	1180.5	1069.7	927.8	889.9	708.1
17.5°	1222.1	1222.9	1253.9	1291.8	1331.0	1344.0	1292.2	1179.7	1022.0	978.8	778.6
20°	1228.2	1235.2	1262.9	1306.5	1368.5	1408.8	1380.7	1285.3	1113.3	1063.1	847.9
22.5°	1302.4	1302.4	1318.7	1349.7	1399.0	1462.2	1456.5	1382.3	1202.1	1152.4	916.8
25°	1459.8	1459.8	1443.9	1435.7	1462.2	1512.0	1526.2	1485.9	1303.6	1244.9	989.4
27.5°	1668.1	1668.1	1643.2	1583.3	1560.5	1581.3	1596.3	1576.0	1397.4	1339.5	1066.0
30°	1884.1	1891.5	1848.3	1772.0	1692.1	1676.2	1661.6	1657.1	1497.3	1432.1	1143.9
32.5°	2101.0	2100.2	2046.4	1951.4	1847.0	1790.8	1743.1	1737.8	1603.3	1539.3	1217.6
35°	2274.3	2274.7	2218.0	2120.6	1999.9	1928.2	1851.5	1826.7	1719.4	1648.1	1305.7
37.5°	2424.3	2415.7	2354.6	2262.0	2149.5	2075.3	1979.9	1915.1	1839.7	1767.1	1393.7
40°	2510.3	2498.9	2439.3	2351.3	2266.1	2209.4	2125.5	2021.9	1971.8	1893.5	1494.0
42.5°	2522.9	2513.1	2473.6	2420.6	2350.9	2301.2	2278.7	2142.6	2110.4	2039.4	1613.9
45°	2487.5	2471.6	2458.5	2430.8	2411.2	2387.2	2417.7	2271.0	2269.4	2198.8	1732.5
47.5°	2399.4	2377.8	2381.1	2411.6	2433.6	2455.2	2550.6	2439.3	2429.6	2363.5	1888.2
50°	2249.0	2238.4	2274.3	2334.6	2421.8	2508.2	2683.1	2611.4	2650.1	2588.1	2103.0
52.5°	1943.2	1956.3	2063.5	2208.6	2359.5	2533.1	2807.5	2868.2	2967.3	2916.3	2319.1
55°	1576.4	1571.5	1714.6	1972.2	2213.1	2517.2	2861.7	3019.4	3175.1	3121.7	2439.3
57.5°	1269.8	1278.4	1375.0	1629.8	1964.9	2394.5	2874.3	3098.5	3258.7	3223.3	2550.6
60°	953.1	961.2	1049.3	1271.0	1634.7	2138.5	2769.9	3126.2	3415.7	3388.8	2728.4
62.5°	606.6	617.2	705.6	921.3	1249.4	1740.6	2535.6	3097.3	3579.5	3602.0	2970.9
65°	298.4	307.8	373.0	538.1	835.3	1301.6	2208.6	2986.8	3788.2	3852.2	3165.4
67.5°	165.1	169.6	192.0	273.9	465.9	892.7	1774.9	2750.8	3884.0	3969.7	3178.4
70°	128.4	129.6	138.2	159.8	227.1	523.8	1262.5	2357.8	3685.5	3789.1	2913.8
72.5°	108.0	109.7	113.7	121.1	141.9	272.7	793.3	1822.2	3101.0	3147.8	2254.3
75°	79.1	81.5	92.9	99.5	112.1	165.5	349.8	1094.9	2049.2	2003.2	1261.3
77.5°	66.4	68.5	71.3	80.7	92.5	112.9	122.7	459.0	834.0	725.2	331.0
80°	45.2	47.7	55.4	60.3	78.3	74.6	51.0	123.1	167.5	136.6	63.6
82.5°	32.2	34.2	38.3	49.3	56.7	39.5	27.7	37.5	40.4	38.3	20.8
85°	10.2	13.0	27.7	40.8	30.6	13.5	17.5	14.3	12.6	12.2	8.2
87.5°	2.0	2.0	13.9	16.3	12.2	6.9	6.1	4.5	5.7	5.7	4.5
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°	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5
2.5°	441.9	423.5	397.0	372.2	346.9	329.0	316.3	303.7	298.8	296.8	291.5
5°	461.5	426.4	373.8	331.4	300.4	280.9	269.0	258.9	252.3	250.3	247.4
7.5°	489.6	439.0	363.6	314.7	283.7	262.5	243.4	221.4	203.8	196.9	194.0
10°	520.2	458.2	365.3	311.4	270.3	223.8	181.0	145.5	130.0	124.3	120.3
12.5°	565.0	479.4	372.2	307.8	229.9	159.8	115.8	101.1	97.4	96.6	95.8
15°	609.8	509.1	383.6	283.3	171.6	108.8	96.2	90.9	88.9	86.8	86.8
17.5°	655.1	537.7	388.1	235.6	118.6	94.2	87.6	83.2	79.9	78.3	77.0
20°	706.0	567.8	375.0	177.3	95.0	86.0	78.7	73.4	70.5	68.9	67.7
22.5°	761.1	597.6	346.5	123.5	86.4	77.5	70.5	65.2	62.4	60.7	60.3
25°	812.8	623.3	300.8	92.9	77.9	69.3	62.8	58.3	56.3	54.6	54.2
27.5°	866.2	645.3	241.3	81.9	70.9	62.8	56.3	52.6	50.5	49.3	48.9
30°	918.4	660.4	179.8	75.0	64.8	56.7	51.0	48.1	46.1	44.8	44.4
32.5°	972.2	668.9	121.5	68.9	58.7	51.4	46.5	43.6	42.4	41.2	41.2
35°	1024.0	667.7	87.6	63.2	53.8	46.5	42.0	39.9	39.5	38.3	38.3
37.5°	1080.7	659.2	74.6	57.9	48.5	42.0	38.3	37.1	36.7	35.9	35.5
40°	1145.1	640.0	68.1	53.8	44.0	38.3	35.1	34.2	33.8	33.0	33.0
42.5°	1215.6	615.1	64.4	49.3	40.4	34.6	32.2	31.0	30.6	29.8	29.8
45°	1297.5	591.5	62.0	44.8	37.1	31.8	29.4	28.1	27.7	26.9	26.9
47.5°	1409.2	578.0	57.9	40.8	33.4	28.9	26.5	25.7	24.9	24.1	24.1
50°	1562.9	562.1	52.6	36.7	30.6	26.1	24.5	23.2	22.8	22.0	22.0
52.5°	1689.3	528.3	47.3	32.6	27.3	24.1	22.4	21.6	20.8	20.4	20.4
55°	1733.7	488.8	42.0	29.4	24.9	22.4	20.8	20.0	19.6	19.2	19.2
57.5°	1804.6	476.1	37.1	26.1	22.4	20.8	19.2	18.8	18.3	17.9	17.5
60°	1925.7	483.5	32.6	23.2	20.4	18.8	17.5	17.1	16.3	15.5	15.5
62.5°	2043.1	474.5	27.7	20.4	17.5	16.7	15.5	14.7	13.0	11.8	11.0
65°	2071.7	414.6	24.1	17.1	14.7	13.9	12.6	11.0	8.6	6.9	6.9
67.5°	1933.5	315.1	20.8	14.7	12.2	11.4	9.0	7.3	5.3	4.1	4.1
70°	1595.5	199.7	17.1	11.4	10.2	7.7	5.7	5.3	3.7	3.3	2.9
72.5°	1151.2	109.2	14.3	9.4	7.3	4.9	4.1	3.3	2.4	1.6	1.6
75°	582.9	51.4	10.6	7.3	4.9	3.3	2.4	1.6	1.6	1.2	1.2
77.5°	165.1	23.6	6.9	4.9	3.3	2.0	1.6	1.2	1.2	0.8	0.8
80°	32.6	11.8	4.5	3.3	2.4	1.6	1.2	0.8	0.8	0.4	0.4
82.5°	11.8	6.1	3.3	2.4	2.0	1.6	0.8	0.4	0.4	0.0	0.0
85°	6.1	3.3	2.4	2.0	1.6	1.2	0.8	0.4	0.0	0.0	0.0
87.5°	3.3	2.4	2.0	2.0	1.6	1.2	0.8	0.4	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)