

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: P672168

Luminaire Tested: **CCP-SA-1D-835-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672168
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-835-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

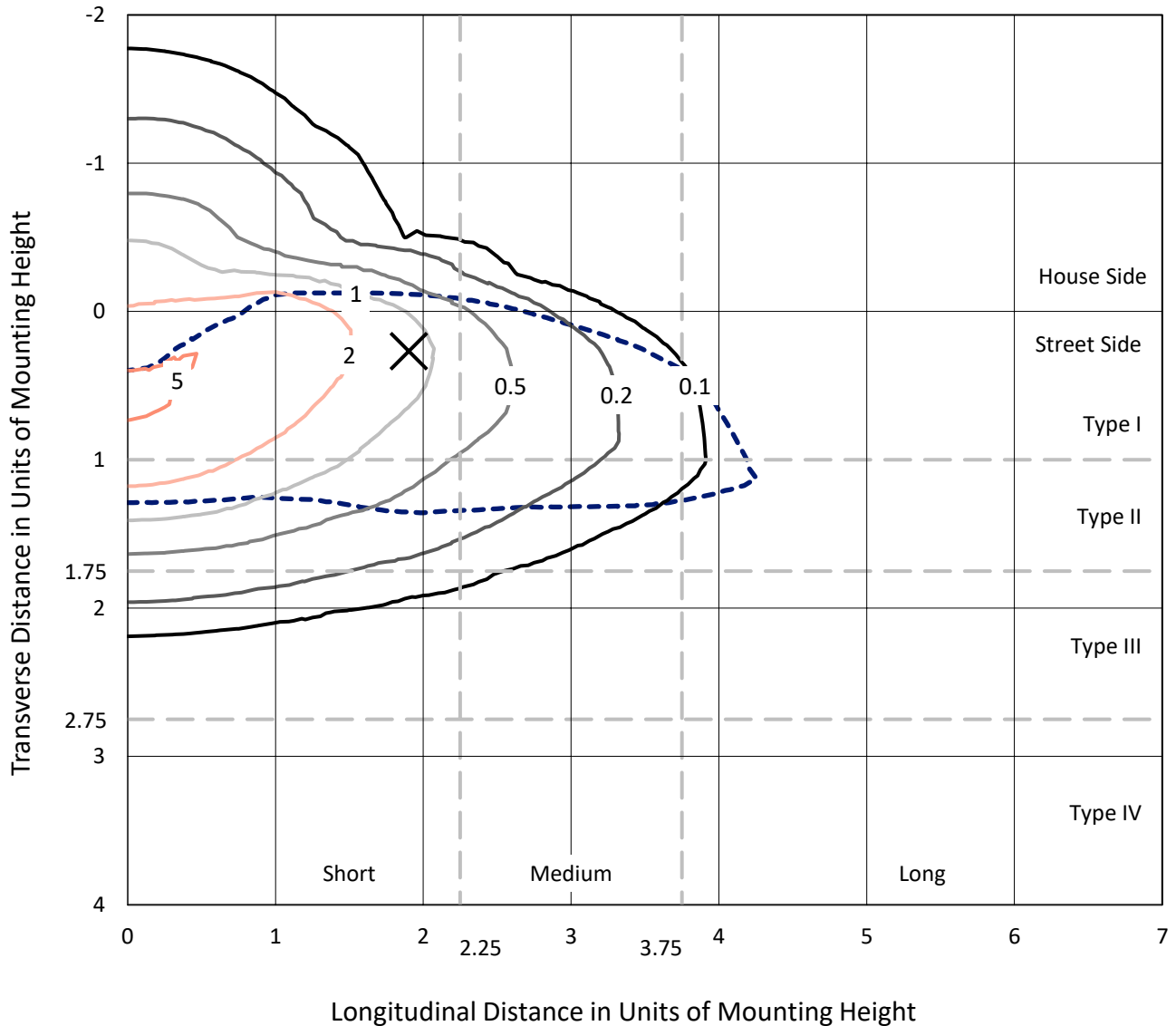
Lumens per Lamp: N/A
Luminaire Lumens: 4667.8 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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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Iso-Footcandle Lines of Horizontal Illumination

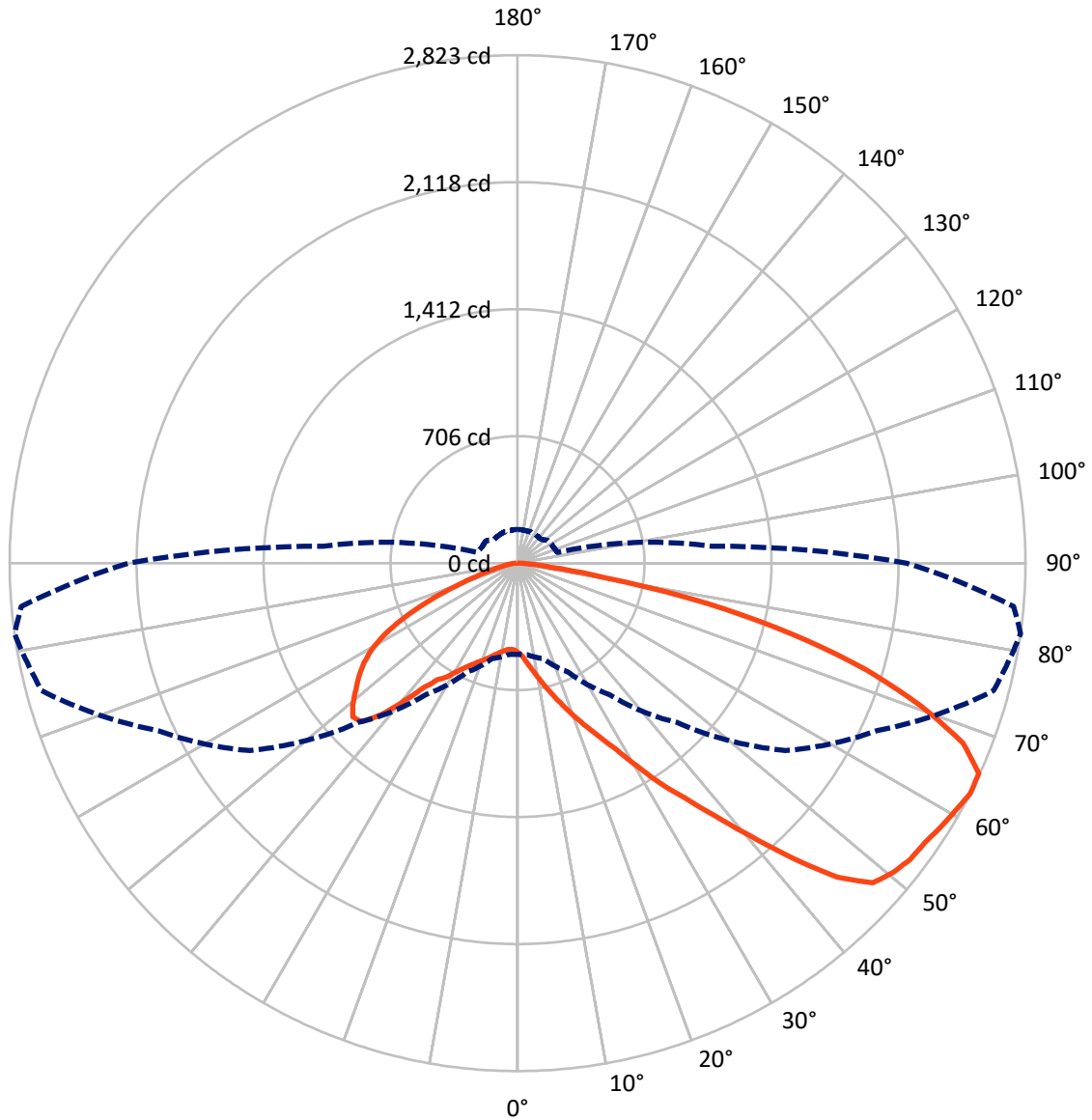
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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	879.4	0.0	879.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3788.4	0.0	3788.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	4667.8	0.0	4667.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	1.2
10°-20°	207.2	4.4
20°-30°	429.1	9.2
30°-40°	728.2	15.6
40°-50°	991.7	21.2
50°-60°	1003.8	21.5
60°-70°	791.1	16.9
70°-80°	389.7	8.3
80°-90°	72.1	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°	4667.8	100.0
0°-180°	4667.8	100.0

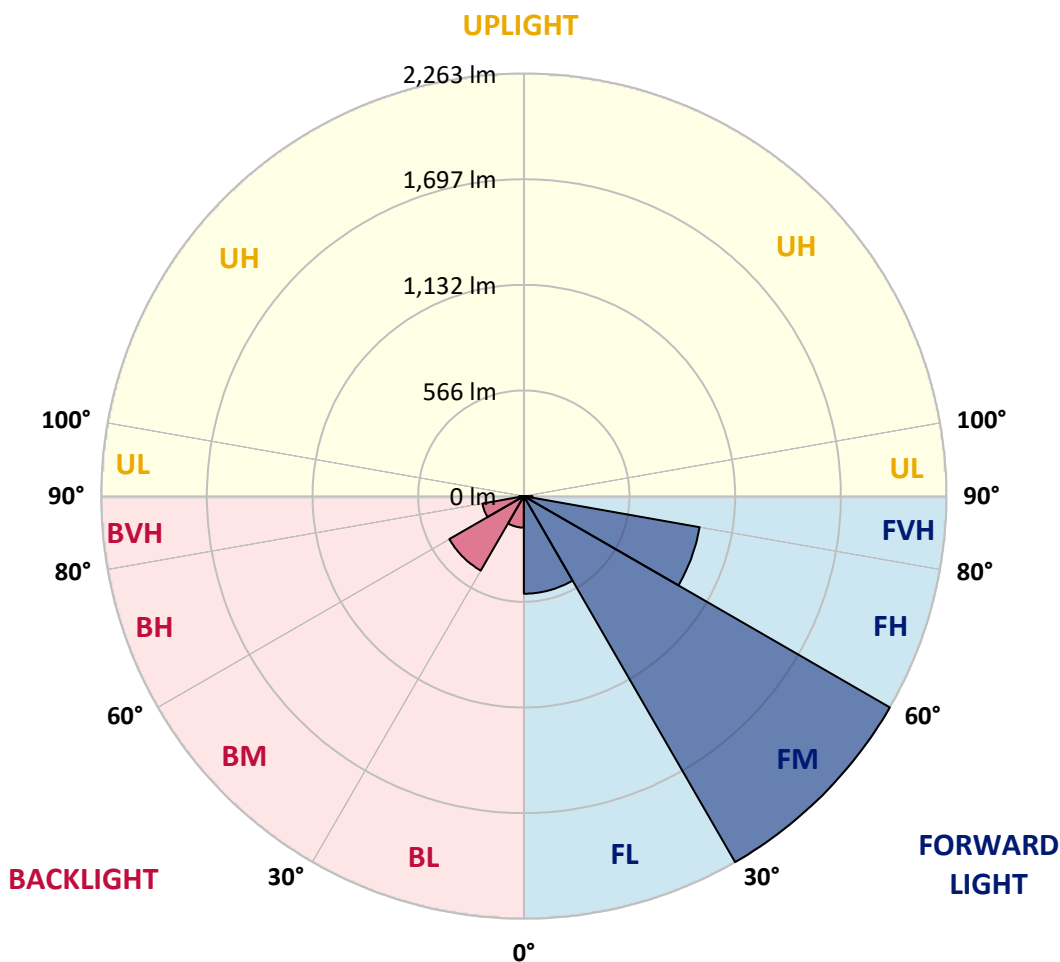


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.4	11.2			
FM (30°-60°)	2263.1	48.5			
FH (60°-80°)	956.0	20.5			G1/1800
FVH (80°-90°)	46.8	1.0			G1/100
BL (0°-30°)	168.7	3.6	B1/500		
BM (30°-60°)	460.6	9.9	B1/1000		
BH (60°-80°)	224.8	4.8	B1/500		G1/500
BVH (80°-90°)	25.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	496.4	496.4	496.4	496.4	496.4	496.4	496.4	496.4	496.4	496.4	496.4
2.5°	661.1	651.0	645.6	639.6	622.8	612.0	591.8	568.3	541.1	517.9	513.5
5°	800.5	790.5	791.8	777.0	752.5	729.6	692.0	647.6	595.9	556.2	542.4
7.5°	899.0	887.9	890.6	884.6	864.7	839.5	791.8	734.7	659.1	600.2	578.1
10°	964.9	966.2	968.2	965.9	953.1	935.3	887.9	824.7	730.6	652.3	622.1
12.5°	1039.5	1043.2	1042.5	1043.5	1036.8	1022.7	976.3	916.8	806.9	708.5	669.1
15°	1134.6	1130.9	1133.9	1138.3	1130.9	1115.4	1074.4	1003.9	886.9	771.0	722.2
17.5°	1238.8	1231.1	1239.1	1234.8	1229.4	1219.3	1174.3	1099.0	969.6	838.5	781.4
20°	1328.9	1323.8	1328.2	1328.9	1329.9	1327.8	1281.5	1201.5	1056.3	912.1	845.2
22.5°	1430.0	1427.7	1427.0	1427.3	1428.3	1430.7	1399.1	1313.7	1152.4	989.4	914.1
25°	1571.5	1569.2	1553.7	1536.6	1526.5	1533.9	1517.4	1441.1	1258.6	1076.1	989.8
27.5°	1730.1	1726.4	1705.9	1662.6	1630.3	1635.7	1634.0	1581.6	1380.9	1175.6	1080.5
30°	1894.8	1885.7	1857.5	1796.7	1745.9	1736.5	1741.2	1723.7	1534.9	1307.7	1206.9
32.5°	2041.7	2024.9	1987.6	1926.1	1865.6	1838.4	1839.0	1846.8	1702.2	1461.6	1339.3
35°	2131.4	2120.3	2092.4	2030.3	1962.7	1944.6	1939.5	1978.2	1855.8	1604.1	1457.9
37.5°	2179.8	2169.1	2139.1	2089.1	2038.0	2030.6	2040.0	2099.8	2030.3	1781.9	1619.2
40°	2171.1	2159.6	2140.1	2105.2	2071.6	2077.3	2119.0	2211.4	2220.8	1994.6	1849.1
42.5°	2099.1	2087.0	2085.4	2083.0	2067.2	2092.4	2167.7	2293.1	2395.9	2240.3	2127.4
45°	1972.1	1964.7	1973.5	2013.8	2033.6	2082.3	2190.6	2332.7	2549.8	2490.0	2390.5
47.5°	1811.1	1806.8	1826.6	1890.4	1954.6	2051.4	2205.7	2343.5	2655.7	2655.7	2562.9
50°	1631.0	1629.3	1655.5	1748.3	1848.8	1994.6	2204.0	2353.6	2702.1	2704.4	2623.8
52.5°	1379.6	1388.3	1458.2	1580.6	1717.0	1905.6	2180.5	2381.8	2728.3	2733.7	2664.4
55°	1089.9	1098.3	1203.8	1368.5	1543.3	1797.3	2110.2	2373.4	2733.3	2745.4	2687.6
57.5°	870.1	871.8	937.7	1133.3	1349.7	1658.9	2029.2	2317.6	2718.5	2771.3	2723.2
60°	680.9	686.3	730.3	885.2	1125.2	1480.4	1938.8	2262.5	2726.9	2795.8	2755.5
62.5°	507.1	508.5	549.5	669.5	894.0	1252.9	1816.2	2203.7	2738.7	2823.4	2768.6
65°	330.4	330.0	369.7	477.9	667.8	1007.2	1623.6	2111.6	2739.7	2817.3	2708.5
67.5°	210.0	211.4	228.5	296.8	447.0	760.2	1361.5	1940.5	2692.0	2670.8	2489.3
70°	170.4	170.7	176.1	193.9	272.2	519.6	1023.4	1673.0	2541.1	2378.8	2163.7
72.5°	151.9	152.2	154.9	156.9	181.5	312.2	671.5	1358.4	2272.9	2027.6	1795.0
75°	136.4	136.4	138.1	136.1	148.9	195.9	381.1	1021.3	1872.0	1578.9	1356.1
77.5°	119.6	119.3	119.3	118.3	128.7	143.2	190.9	712.8	1348.3	1076.8	879.5
80°	101.5	100.8	101.8	101.2	111.2	108.6	111.2	439.9	731.0	493.7	374.4
82.5°	79.0	79.0	82.0	82.7	91.7	78.6	78.3	208.7	277.6	184.5	138.1
85°	41.3	46.4	62.5	65.2	69.2	49.4	57.5	97.5	111.2	70.6	50.4
87.5°	12.4	13.1	38.3	43.0	42.7	24.9	35.3	47.1	52.1	31.3	20.5
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°	496.4	496.4	496.4	496.4	496.4	496.4	496.4	496.4	496.4	496.4	496.4
2.5°	502.4	490.7	465.8	443.6	426.8	410.7	399.6	393.9	386.5	387.5	385.1
5°	517.9	493.7	449.7	414.0	390.2	372.0	360.9	355.2	349.9	347.2	349.2
7.5°	541.1	503.4	441.9	398.9	374.1	358.6	352.5	350.9	349.5	348.5	350.2
10°	571.0	520.6	440.6	393.5	370.7	361.3	358.9	357.9	356.6	355.2	356.2
12.5°	601.6	539.4	445.3	394.9	376.1	369.0	366.0	364.6	361.3	359.6	359.9
15°	639.9	562.3	451.7	400.3	383.1	374.1	370.0	366.3	360.9	358.6	359.6
17.5°	680.9	589.5	460.4	405.3	385.8	374.7	366.7	361.3	355.9	352.5	352.9
20°	727.3	616.4	468.2	407.0	384.5	369.0	359.3	352.9	345.8	342.1	341.1
22.5°	775.3	644.6	474.2	405.6	377.1	359.3	348.2	340.4	332.0	326.3	326.7
25°	833.8	682.9	479.2	400.9	367.3	346.5	334.1	324.3	315.6	310.2	310.5
27.5°	904.1	726.3	485.3	393.5	355.6	332.7	318.3	308.5	300.1	295.1	294.4
30°	997.8	782.7	492.0	384.5	340.8	317.6	303.5	293.4	285.3	280.6	280.6
32.5°	1103.3	851.6	496.7	373.7	324.3	301.5	288.7	280.6	274.6	268.2	267.5
35°	1195.1	905.1	511.2	365.3	309.9	286.3	277.6	271.9	262.8	256.8	255.8
37.5°	1329.9	999.2	553.9	363.0	292.4	274.6	272.9	262.1	251.7	240.3	239.3
40°	1547.0	1162.2	603.6	351.5	274.2	268.2	266.5	252.1	227.5	220.5	219.1
42.5°	1823.2	1358.4	609.0	318.3	261.5	262.8	257.8	229.5	218.8	213.4	212.1
45°	2072.6	1517.7	578.4	284.3	252.1	254.7	244.3	221.1	215.1	210.0	208.7
47.5°	2212.7	1566.8	520.6	258.8	245.0	247.7	222.8	217.1	211.1	206.0	204.7
50°	2252.1	1524.1	453.4	244.0	239.6	240.6	217.1	213.7	208.4	204.3	202.3
52.5°	2259.8	1460.3	391.2	235.3	235.6	226.5	212.1	209.4	206.0	199.6	197.3
55°	2263.2	1402.8	335.4	229.9	232.9	208.4	206.7	204.7	202.0	195.3	193.9
57.5°	2271.9	1329.2	291.7	225.8	229.5	200.0	200.6	199.3	195.9	192.9	192.2
60°	2247.0	1227.4	258.1	221.8	224.8	192.9	193.6	194.3	191.2	190.6	190.2
62.5°	2163.7	1082.8	229.5	216.4	215.1	185.9	185.9	188.5	185.9	186.9	186.9
65°	1991.9	898.7	204.0	206.4	200.0	178.1	177.8	182.5	178.5	182.8	183.2
67.5°	1699.2	680.2	177.8	190.6	184.2	170.1	171.4	175.1	169.7	178.8	178.8
70°	1345.0	462.8	150.6	168.4	168.0	161.0	165.4	165.0	159.0	172.4	170.1
72.5°	1001.9	297.1	122.7	141.2	146.9	151.2	159.3	152.2	146.5	154.3	147.2
75°	700.1	186.2	96.8	111.6	122.3	140.5	151.9	137.8	129.4	127.0	125.0
77.5°	419.1	119.0	76.3	85.0	95.4	127.7	142.5	122.7	109.9	108.6	104.5
80°	193.2	77.6	58.1	63.5	67.9	109.6	129.7	104.9	89.4	88.1	83.3
82.5°	87.4	51.1	43.4	45.4	45.7	87.0	109.6	83.0	68.2	110.6	95.8
85°	40.7	32.9	28.2	26.9	27.2	58.1	79.7	57.1	77.6	60.5	46.0
87.5°	17.5	16.8	14.5	11.4	10.4	12.4	30.6	23.9	33.9	13.4	9.1
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)