

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: P674417

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674417
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-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

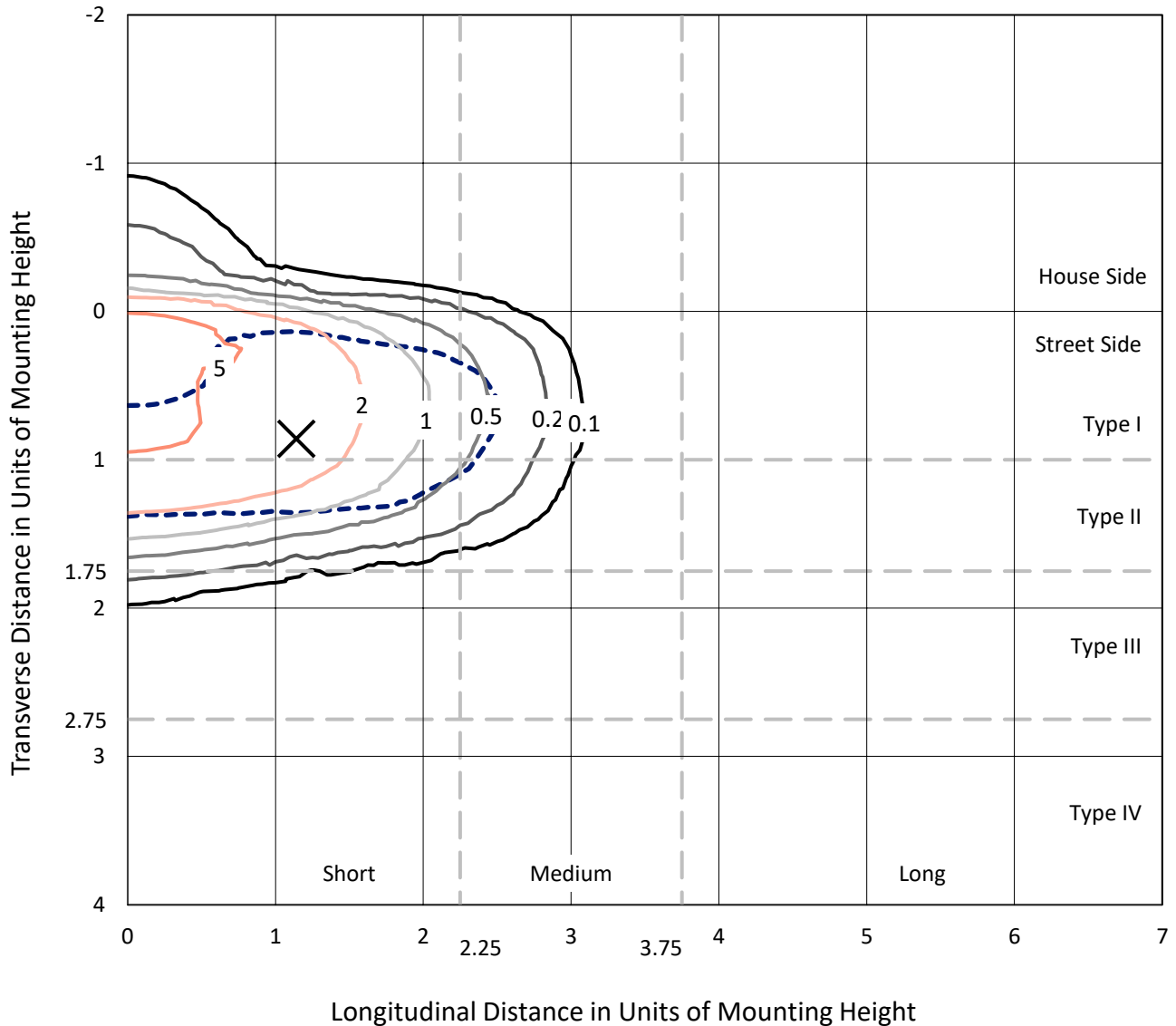
Lumens per Lamp: N/A
Luminaire Lumens: 4624.7 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

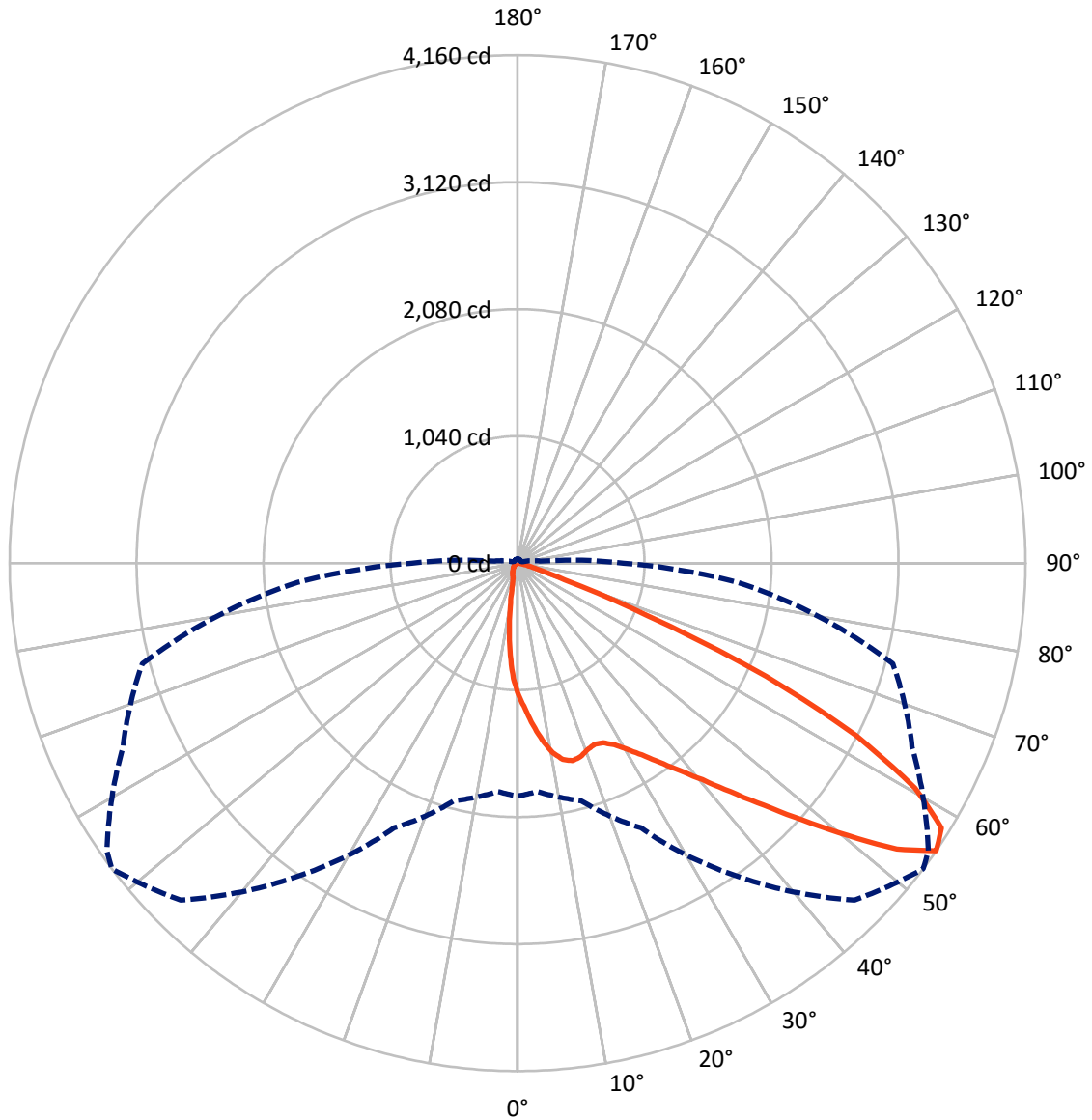
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	250.0	0.0	250.0
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	4374.7	0.0	4374.7
	% Fixture	94.6	0.0	94.6
Total	Lumens	4624.7	0.0	4624.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	2.1
10°-20°	252.8	5.5
20°-30°	423.2	9.2
30°-40°	692.3	15.0
40°-50°	1112.9	24.1
50°-60°	1256.5	27.2
60°-70°	670.2	14.5
70°-80°	110.1	2.4
80°-90°	9.9	0.2
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°	4624.7	100.0
0°-180°	4624.7	100.0



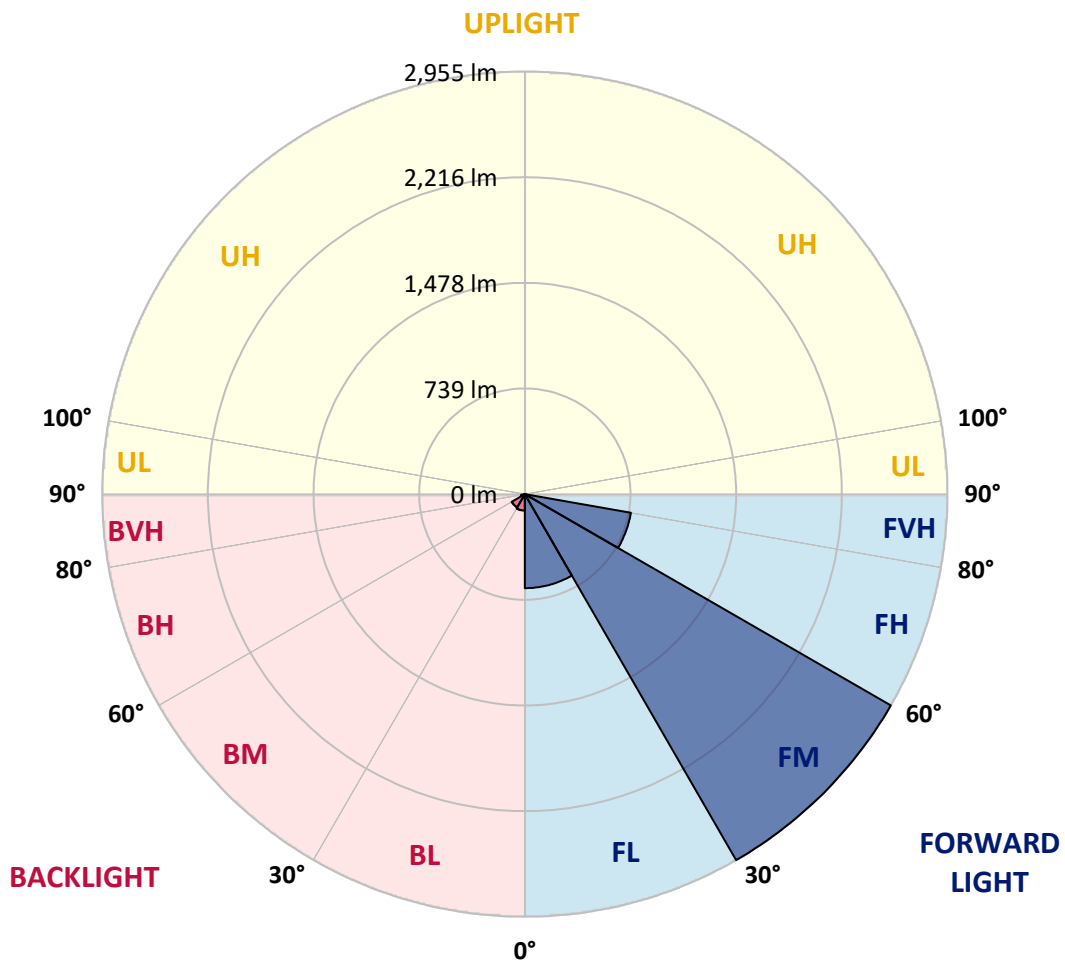
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	657.4	14.2			
FM (30°-60°)	2955.2	63.9			
FH (60°-80°)	753.0	16.3			G1/1800
FVH (80°-90°)	9.1	0.2			G0/10
BL (0°-30°)	115.4	2.5	B1/500		
BM (30°-60°)	106.5	2.3	B0/220		
BH (60°-80°)	27.3	0.6	B0/110		G0/110
BVH (80°-90°)	0.8	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3
2.5°	1297.8	1290.1	1294.6	1282.9	1261.4	1234.6	1194.5	1196.5	1164.9	1137.4	1099.3
5°	1512.2	1504.1	1501.7	1471.7	1441.7	1393.5	1333.9	1324.2	1266.2	1196.1	1116.3
7.5°	1625.2	1618.4	1623.6	1612.7	1583.1	1539.3	1464.0	1456.7	1367.1	1261.0	1143.5
10°	1573.4	1571.0	1593.2	1619.2	1643.1	1637.8	1577.4	1566.1	1465.6	1332.3	1171.4
12.5°	1434.0	1441.7	1470.1	1517.9	1591.6	1660.9	1651.2	1653.2	1566.1	1409.7	1202.2
15°	1352.1	1361.5	1377.7	1402.4	1493.2	1616.3	1679.1	1699.4	1662.5	1496.0	1238.7
17.5°	1345.3	1353.0	1355.4	1364.7	1417.8	1544.6	1667.8	1706.3	1748.4	1577.4	1279.6
20°	1398.3	1401.6	1399.6	1392.7	1411.7	1505.7	1632.1	1687.2	1819.3	1664.1	1315.7
22.5°	1498.4	1493.6	1487.5	1462.0	1460.7	1516.7	1612.7	1670.2	1861.5	1735.9	1339.6
25°	1622.4	1612.3	1603.8	1567.7	1550.7	1573.8	1630.1	1676.3	1899.6	1805.6	1356.6
27.5°	1757.7	1761.0	1739.9	1691.3	1664.6	1659.7	1684.0	1718.4	1936.4	1868.0	1365.9
30°	1902.4	1904.0	1876.5	1826.2	1801.9	1770.7	1769.1	1789.8	1976.1	1939.7	1374.8
32.5°	2067.3	2071.8	2026.8	1974.5	1932.0	1891.5	1871.6	1889.0	2047.5	2033.3	1393.1
35°	2305.6	2286.1	2225.3	2146.3	2086.0	2032.9	2002.5	2013.8	2142.3	2145.5	1429.5
37.5°	2551.1	2549.1	2481.8	2368.0	2269.1	2203.1	2151.2	2169.8	2275.6	2295.9	1487.9
40°	2780.1	2785.3	2727.0	2627.7	2500.5	2387.0	2331.5	2344.1	2452.7	2478.2	1558.8
42.5°	2929.6	2926.7	2931.2	2902.8	2775.2	2641.5	2558.0	2564.9	2658.5	2671.9	1647.5
45°	2998.5	2987.5	3025.6	3115.6	3064.9	2924.3	2829.1	2820.6	2872.0	2868.4	1728.2
47.5°	2938.9	2918.6	3006.2	3222.9	3321.0	3278.5	3142.3	3126.9	3083.1	3054.0	1812.0
50°	2642.7	2633.8	2821.0	3171.9	3481.9	3605.9	3505.8	3448.6	3271.6	3190.9	1856.2
52.5°	2361.1	2336.4	2462.8	2911.3	3410.1	3869.2	3889.9	3788.2	3428.0	3230.2	1841.2
55°	1907.3	1876.9	2014.6	2391.9	3126.1	3902.9	4159.8	4106.7	3564.9	3181.6	1810.8
57.5°	1158.5	1128.5	1331.1	1713.2	2500.1	3623.3	4093.3	4147.2	3670.3	3128.1	1791.0
60°	487.0	468.0	547.4	817.7	1596.5	2977.8	3740.8	3875.3	3690.1	3054.8	1799.1
62.5°	253.2	244.7	249.2	327.4	645.5	1960.8	3113.5	3347.7	3490.0	3022.4	1807.2
65°	190.0	183.6	169.4	179.9	250.8	847.7	2237.5	2551.1	3056.0	2940.1	1752.5
67.5°	156.0	149.9	139.8	136.6	147.9	294.2	1142.3	1549.9	2394.7	2589.6	1556.4
70°	124.4	122.4	119.1	113.1	111.0	142.6	409.7	631.7	1583.5	1826.2	1128.1
72.5°	103.7	104.1	100.5	95.2	87.9	92.0	163.3	216.0	766.2	875.6	472.5
75°	86.7	86.7	87.9	80.6	73.3	63.2	90.8	105.4	246.0	202.2	100.9
77.5°	68.1	68.9	74.2	68.1	58.8	39.7	49.4	56.3	72.9	58.3	36.9
80°	54.3	53.5	51.5	61.2	52.7	28.0	23.5	25.9	34.0	28.0	18.2
82.5°	38.1	37.7	36.1	41.3	40.9	20.7	15.4	15.8	20.7	17.8	11.3
85°	9.3	10.9	23.1	19.4	17.0	12.2	9.3	10.1	13.4	11.8	6.1
87.5°	4.1	4.1	10.5	12.6	8.1	5.3	4.1	4.5	6.9	6.9	3.6
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°	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3	1082.3
2.5°	1085.9	1059.6	1026.4	991.1	955.1	911.7	884.1	861.5	843.6	829.8	825.0
5°	1090.0	1039.3	964.0	870.4	775.1	686.0	617.1	566.1	523.9	500.8	490.7
7.5°	1089.6	1022.3	886.2	729.4	574.6	446.1	355.0	298.6	260.9	245.5	236.2
10°	1089.2	1000.0	797.4	572.9	384.1	258.5	190.4	158.8	145.1	139.8	139.0
12.5°	1100.9	974.5	698.2	421.8	241.1	160.9	132.5	125.2	122.0	120.3	119.9
15°	1107.4	951.0	593.6	297.8	162.5	127.2	118.3	115.1	113.9	113.1	112.6
17.5°	1114.3	914.5	494.3	215.6	130.1	115.5	110.2	108.2	107.4	107.4	107.4
20°	1115.5	875.2	395.9	158.8	115.5	107.8	102.5	100.5	99.3	98.5	98.5
22.5°	1106.6	828.6	311.2	128.9	107.0	100.5	94.8	91.6	89.5	89.1	89.1
25°	1084.3	762.6	238.7	113.1	100.1	93.2	86.3	82.7	81.0	81.0	81.0
27.5°	1052.3	684.8	184.4	100.5	91.2	84.3	78.2	75.0	74.6	74.2	74.6
30°	1015.8	609.8	141.0	89.1	80.6	75.0	70.1	68.5	69.3	69.3	69.7
32.5°	979.4	534.9	110.2	80.2	71.3	66.5	64.0	64.0	65.2	65.2	65.2
35°	948.2	461.5	92.4	72.9	64.8	60.8	59.6	60.8	61.6	62.0	62.0
37.5°	930.7	398.3	81.4	66.5	59.6	56.3	55.9	57.1	58.8	60.0	60.4
40°	924.3	349.7	75.0	61.6	54.7	52.7	52.3	53.9	56.7	58.8	59.2
42.5°	924.7	306.7	69.3	56.7	51.5	48.6	48.6	51.1	53.9	55.9	55.9
45°	927.5	269.9	63.6	51.9	48.6	43.8	44.2	47.4	49.4	51.5	51.5
47.5°	929.9	240.3	57.5	46.6	42.1	39.7	40.5	43.0	45.8	49.0	49.0
50°	915.7	219.2	51.5	40.9	36.9	36.1	37.7	39.7	43.8	47.0	47.4
52.5°	881.7	200.2	46.2	36.5	33.2	33.6	35.7	36.9	40.1	40.5	40.9
55°	866.7	190.4	42.1	33.2	30.4	31.6	32.8	33.2	32.4	30.4	30.4
57.5°	863.5	184.0	38.1	30.0	28.0	29.6	29.2	26.7	24.3	21.9	21.5
60°	866.7	175.0	34.8	25.9	25.5	25.9	24.7	20.3	17.0	15.4	14.6
62.5°	848.1	162.1	32.0	22.3	22.3	21.9	18.6	13.8	10.9	9.7	9.3
65°	786.5	136.6	29.2	18.6	18.2	17.4	12.6	9.3	7.3	6.1	5.7
67.5°	665.3	105.8	26.3	15.4	14.6	12.2	8.1	6.1	4.1	3.6	3.2
70°	453.8	65.6	22.3	12.2	10.9	7.7	4.9	3.6	2.4	2.0	1.6
72.5°	164.5	38.1	18.6	9.3	7.3	4.9	2.8	1.6	1.2	1.2	0.8
75°	38.9	26.7	14.2	6.9	4.9	2.8	1.6	1.2	0.8	0.8	0.4
77.5°	17.8	20.7	9.3	4.1	3.2	2.0	1.2	0.8	0.4	0.4	0.0
80°	10.1	14.6	4.5	2.8	2.4	1.6	0.8	0.4	0.4	0.0	0.0
82.5°	5.3	8.1	3.2	2.4	2.0	1.2	0.8	0.0	0.0	0.0	0.0
85°	3.6	4.1	2.4	2.0	1.6	1.2	0.8	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.4	2.0	1.6	1.2	0.4	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)