

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: P674784

Luminaire Tested: **CCP-SA-1F-850-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674784
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-850-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

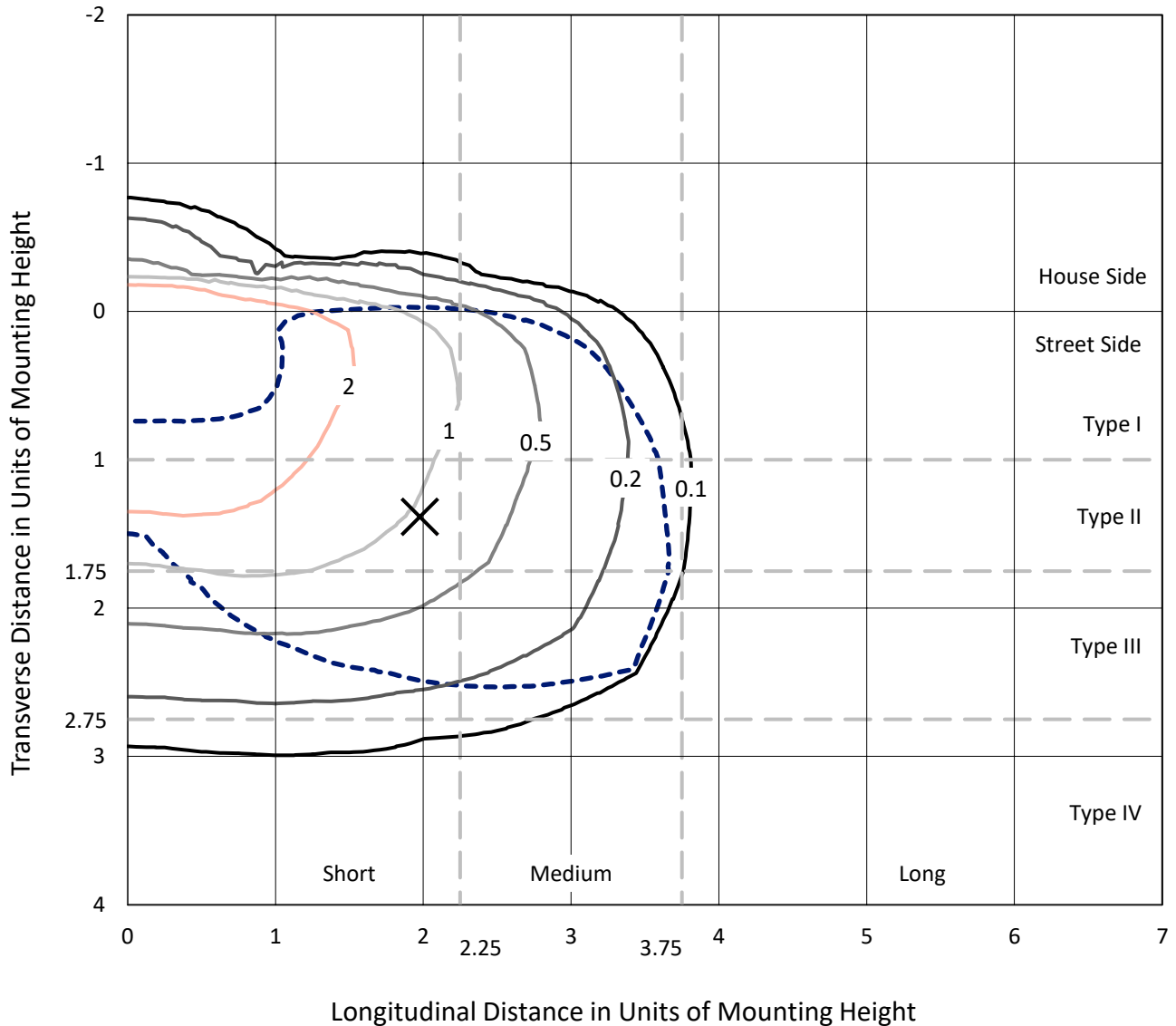
Lumens per Lamp: N/A
Luminaire Lumens: 5188.8 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P674784
 CATALOG NUMBER: CCP-SA-1F-850-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

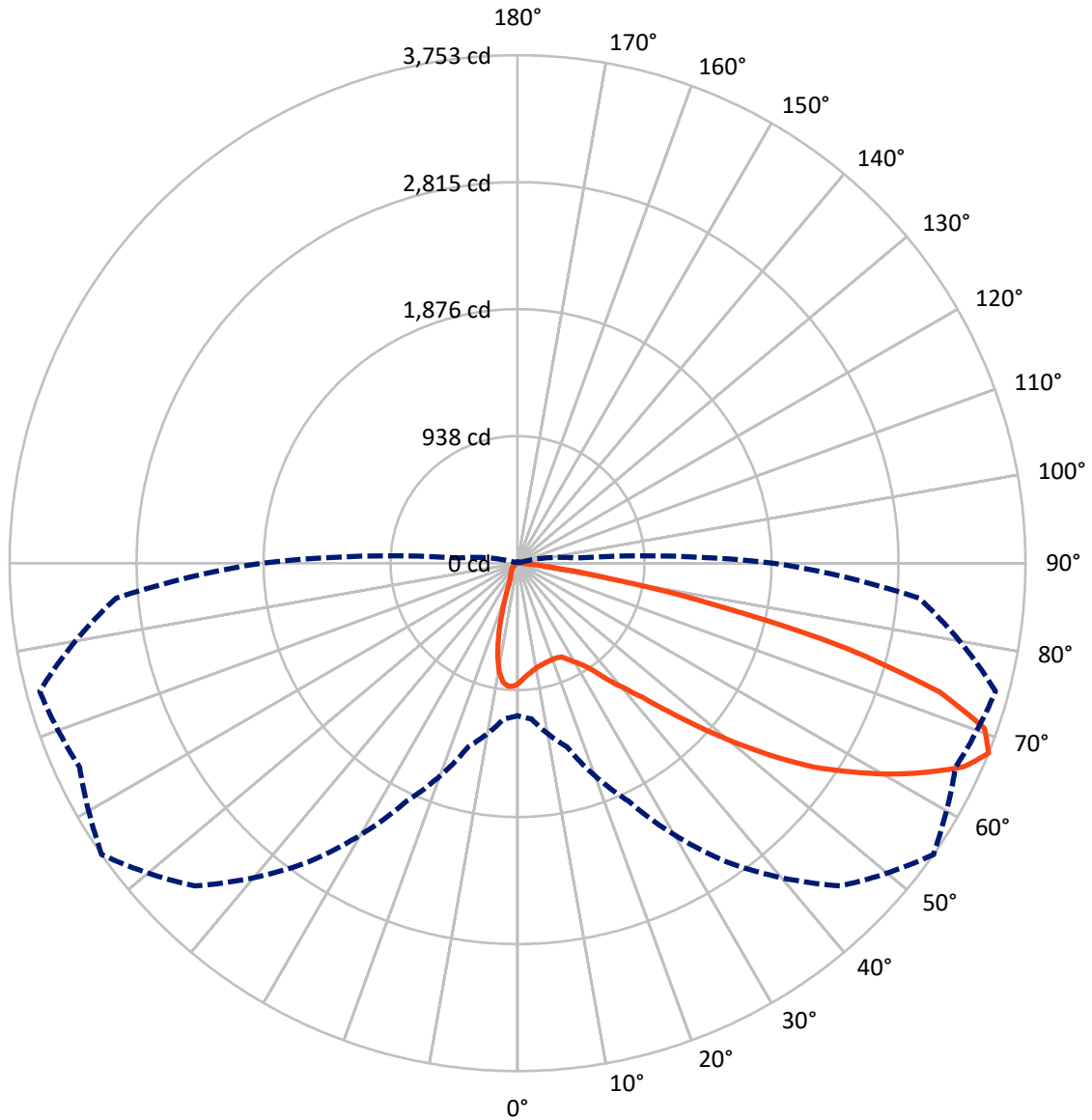
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

REPORT NUMBER: P674784
CATALOG NUMBER: CCP-SA-1F-850-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P674784

CATALOG NUMBER: CCP-SA-1F-850-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	466.1	0.0	466.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4722.6	0.0	4722.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	5188.8	0.0	5188.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.0	1.5
10°-20°	177.7	3.4
20°-30°	285.1	5.5
30°-40°	494.4	9.5
40°-50°	824.4	15.9
50°-60°	1205.6	23.2
60°-70°	1405.7	27.1
70°-80°	682.2	13.1
80°-90°	35.7	0.7
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°	5188.8	100.0
0°-180°	5188.8	100.0



REPORT NUMBER: P674784

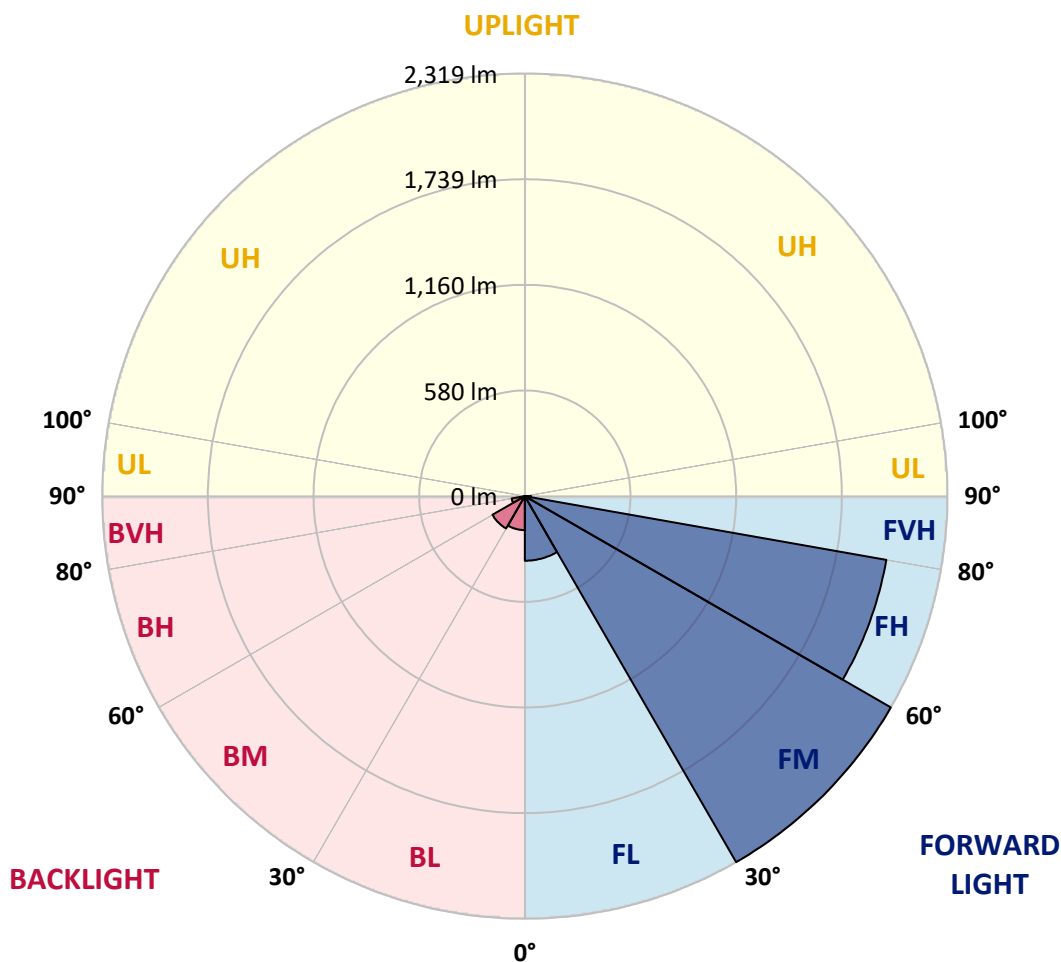
CATALOG NUMBER: CCP-SA-1F-850-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.5	6.8			
FM (30°-60°)	2319.2	44.7			
FH (60°-80°)	2014.4	38.8			G2/5000
FVH (80°-90°)	34.6	0.7			G1/100
BL (0°-30°)	186.3	3.6	B1/500		
BM (30°-60°)	205.2	4.0	B0/220		
BH (60°-80°)	73.5	1.4	B0/110		G0/110
BVH (80°-90°)	1.0	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-G2

Type III Short





REPORT NUMBER: P674784
 CATALOG NUMBER: CCP-SA-1F-850-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2
2.5°	820.8	826.1	832.8	835.2	843.3	854.8	851.4	849.1	862.0	879.6	885.4
5°	769.7	770.2	780.7	788.3	802.2	813.2	825.1	824.2	847.6	877.7	896.9
7.5°	719.5	720.5	731.4	743.4	763.5	785.0	803.2	802.2	840.0	880.1	916.5
10°	653.5	658.3	671.7	692.7	724.3	758.2	783.6	785.9	831.4	889.2	943.2
12.5°	600.5	602.8	617.7	644.9	682.2	726.7	774.0	772.6	833.3	905.9	978.1
15°	578.0	576.6	585.6	605.7	648.3	704.2	764.4	767.8	840.0	925.1	1014.5
17.5°	583.2	581.8	586.6	593.8	623.9	685.6	759.2	764.9	850.5	945.1	1048.4
20°	641.6	631.5	622.9	615.3	619.6	670.3	755.8	762.0	856.7	960.4	1084.3
22.5°	753.9	741.5	718.5	676.0	647.8	671.2	756.8	764.9	870.6	985.3	1127.8
25°	937.0	925.1	875.8	788.8	714.2	705.6	769.7	778.3	902.6	1023.1	1174.1
27.5°	1179.4	1152.6	1092.9	968.1	824.2	760.6	808.4	818.0	948.0	1052.2	1205.7
30°	1380.7	1374.4	1317.1	1164.1	975.7	841.4	851.9	857.2	968.6	1069.9	1237.2
32.5°	1589.6	1576.7	1524.1	1375.4	1151.7	956.6	900.7	903.1	995.3	1096.2	1283.1
35°	1771.2	1759.3	1715.3	1570.9	1357.2	1111.5	981.5	976.2	1050.8	1154.1	1345.3
37.5°	1939.5	1938.1	1899.4	1752.1	1541.8	1272.1	1100.5	1096.2	1137.3	1217.6	1429.4
40°	2104.0	2100.2	2067.2	1932.8	1723.4	1432.3	1213.8	1202.8	1210.9	1306.6	1540.3
42.5°	2204.9	2213.0	2224.5	2139.4	1939.0	1620.2	1357.2	1350.5	1349.1	1445.7	1686.1
45°	2259.4	2273.7	2341.1	2333.5	2167.6	1854.0	1561.4	1544.2	1538.4	1636.9	1853.0
47.5°	2312.4	2318.6	2429.1	2475.4	2386.5	2097.8	1808.1	1784.2	1760.7	1870.2	2052.4
50°	2315.8	2325.8	2462.5	2575.4	2570.1	2337.8	2084.9	2063.8	2037.1	2154.2	2246.9
52.5°	2268.9	2289.0	2458.2	2638.5	2683.9	2549.5	2372.2	2355.0	2333.0	2420.5	2410.9
55°	1945.3	1979.2	2374.1	2644.2	2763.7	2731.2	2660.9	2637.0	2615.5	2677.7	2571.5
57.5°	1791.3	1810.4	2118.8	2639.9	2865.5	2899.5	2911.4	2900.4	2870.3	2947.8	2739.3
60°	1699.1	1726.8	1996.9	2592.1	2975.5	3089.8	3164.8	3142.8	3106.0	3212.6	2919.1
62.5°	1588.6	1608.7	1875.5	2454.4	3041.0	3283.4	3402.4	3382.3	3306.3	3456.9	3064.4
65°	1385.0	1415.1	1682.3	2237.8	2953.0	3425.4	3626.2	3619.5	3487.5	3641.5	3104.1
67.5°	1127.3	1154.5	1403.6	1941.0	2695.8	3372.3	3752.8	3731.8	3569.7	3655.3	2978.4
70°	846.2	861.0	1048.9	1483.0	2208.7	3088.8	3661.1	3656.8	3445.0	3449.7	2592.6
72.5°	454.2	495.3	697.5	992.5	1553.2	2501.7	3262.8	3245.6	3073.5	2825.4	1864.5
75°	158.7	170.7	371.5	557.4	843.8	1666.5	2508.9	2468.7	2298.6	1837.7	1015.9
77.5°	97.5	107.1	164.9	284.9	328.4	723.3	1507.4	1455.2	1345.3	794.6	347.1
80°	67.4	76.0	110.4	149.2	111.9	234.3	693.7	674.1	518.7	189.3	79.8
82.5°	37.8	45.4	83.7	73.1	44.9	60.7	240.5	222.8	138.2	51.2	26.8
85°	22.0	26.3	58.8	51.6	22.9	21.5	62.6	55.9	35.9	19.1	12.9
87.5°	11.5	14.8	43.0	34.4	13.9	7.6	14.3	13.9	9.1	6.7	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674784
 CATALOG NUMBER: CCP-SA-1F-850-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2	889.2
2.5°	895.9	893.5	905.9	910.2	909.3	907.4	912.2	905.9	905.5	904.0	902.6
5°	912.2	916.0	926.0	926.0	912.6	890.6	877.3	859.1	843.8	834.7	833.3
7.5°	936.5	944.2	950.9	930.3	884.4	829.9	772.1	726.7	687.0	666.4	664.5
10°	971.0	978.1	972.9	914.1	815.6	702.8	608.6	513.9	466.6	440.8	440.8
12.5°	1012.1	1017.8	985.8	873.4	702.3	538.8	413.1	313.6	266.3	235.7	233.8
15°	1056.5	1058.0	983.9	802.7	562.2	361.9	237.1	174.0	153.9	149.6	148.7
17.5°	1095.3	1089.5	963.8	698.0	404.9	215.6	150.6	136.2	132.4	132.4	132.4
20°	1131.6	1112.5	923.6	576.1	259.6	146.8	129.6	125.7	125.7	126.2	126.2
22.5°	1171.7	1134.0	866.3	440.8	166.8	125.7	121.4	119.5	119.0	120.5	120.0
25°	1219.1	1155.0	784.0	304.5	129.1	117.1	115.2	113.3	113.3	113.3	113.3
27.5°	1245.4	1152.1	690.3	192.2	112.8	108.5	106.6	104.7	103.3	102.8	103.3
30°	1268.3	1135.4	567.9	134.3	101.8	97.0	95.6	93.2	90.4	89.4	89.4
32.5°	1298.4	1121.6	439.8	108.0	92.3	87.0	82.7	78.9	74.1	72.2	71.7
35°	1331.9	1096.2	322.2	95.1	83.7	77.0	70.3	64.1	57.8	55.9	55.5
37.5°	1373.5	1073.3	218.5	88.0	76.5	68.4	59.3	50.7	44.9	44.0	44.0
40°	1429.9	1054.1	151.1	81.7	69.8	60.2	49.2	40.2	36.3	35.4	35.4
42.5°	1506.9	1038.4	114.3	76.5	64.1	52.1	39.7	33.0	30.1	29.2	29.2
45°	1597.7	1014.0	96.6	71.7	58.3	44.0	33.0	27.7	26.3	26.3	26.3
47.5°	1701.9	983.4	88.0	66.9	52.1	35.9	27.7	25.3	24.9	24.9	25.3
50°	1807.1	947.1	81.7	61.2	44.9	30.6	25.3	23.9	23.9	24.4	24.4
52.5°	1878.3	890.2	75.5	55.0	37.8	26.8	23.9	23.4	22.9	22.9	22.9
55°	1947.7	840.4	66.9	48.3	31.6	24.9	22.9	22.5	22.5	22.0	22.0
57.5°	2019.8	801.2	55.9	40.2	26.8	23.4	22.0	22.0	21.0	20.6	20.6
60°	2103.5	766.8	43.0	31.6	23.4	22.0	20.6	20.1	19.1	18.2	18.2
62.5°	2127.9	694.2	32.5	25.3	20.1	19.1	18.6	17.7	15.3	13.4	13.9
65°	2064.3	579.9	25.8	20.1	16.3	16.3	14.8	12.4	10.0	8.6	8.6
67.5°	1888.9	433.1	21.0	15.8	12.9	12.4	10.5	9.1	6.2	5.3	5.3
70°	1556.6	286.4	17.2	12.4	10.5	8.6	7.2	6.7	4.8	3.8	3.8
72.5°	1091.0	155.4	14.3	10.0	7.6	5.7	4.8	4.3	3.3	2.9	2.4
75°	576.1	59.8	11.5	7.6	4.8	3.8	2.9	2.9	2.4	1.9	1.9
77.5°	197.4	25.3	8.1	4.3	3.3	2.4	1.9	1.4	1.9	1.4	1.4
80°	46.9	14.8	5.3	2.9	1.9	1.4	1.4	1.0	1.0	1.0	1.0
82.5°	20.6	8.6	3.3	1.9	1.9	1.4	1.0	0.5	0.5	0.5	0.5
85°	13.9	5.3	2.4	1.9	1.4	1.0	0.5	0.5	0.0	0.0	0.0
87.5°	11.0	3.3	1.9	1.9	1.4	1.0	0.5	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)