

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: P672022

Luminaire Tested: **CCP-SA-1B-835-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P672022
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-835-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2871.8 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

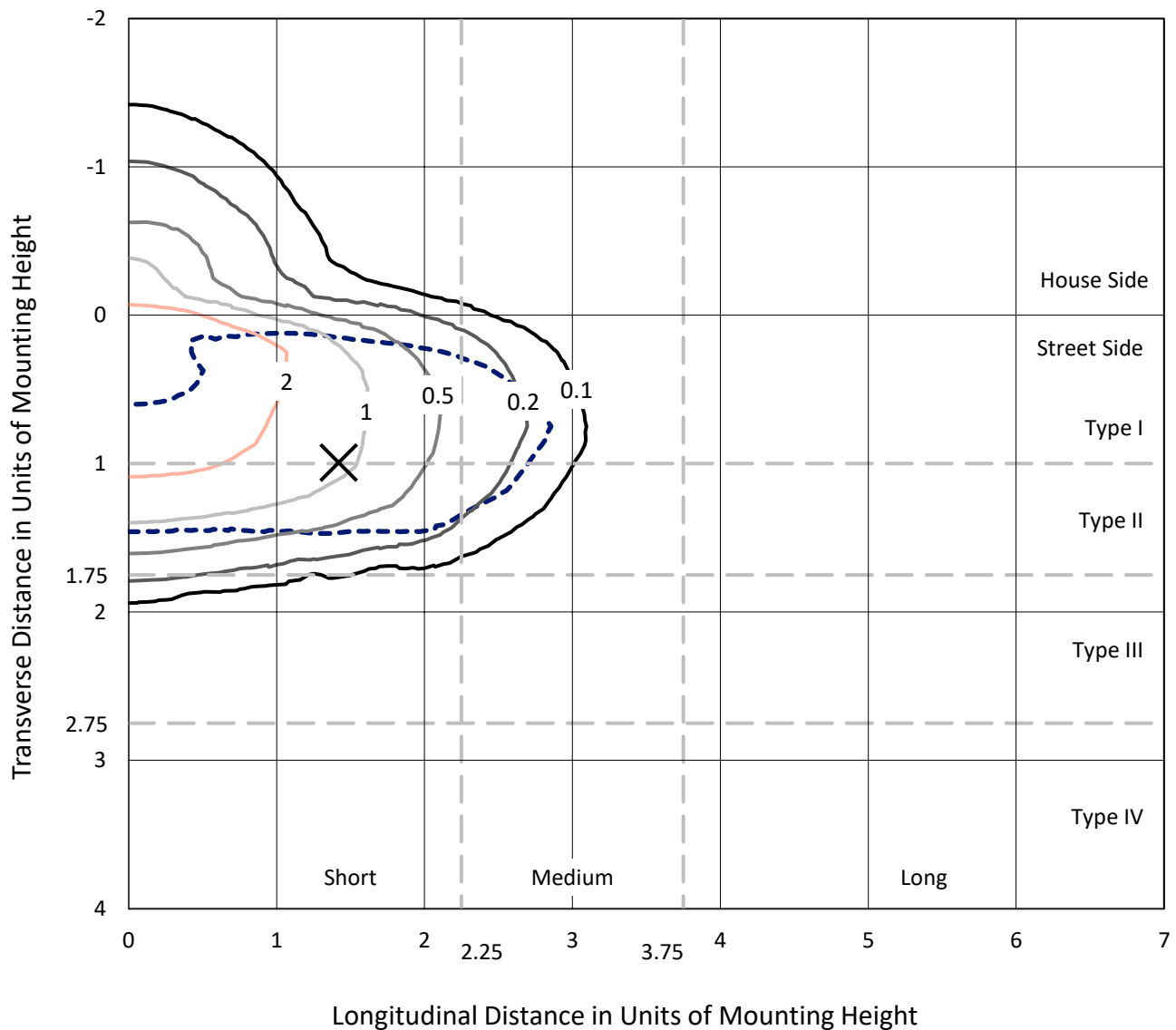
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

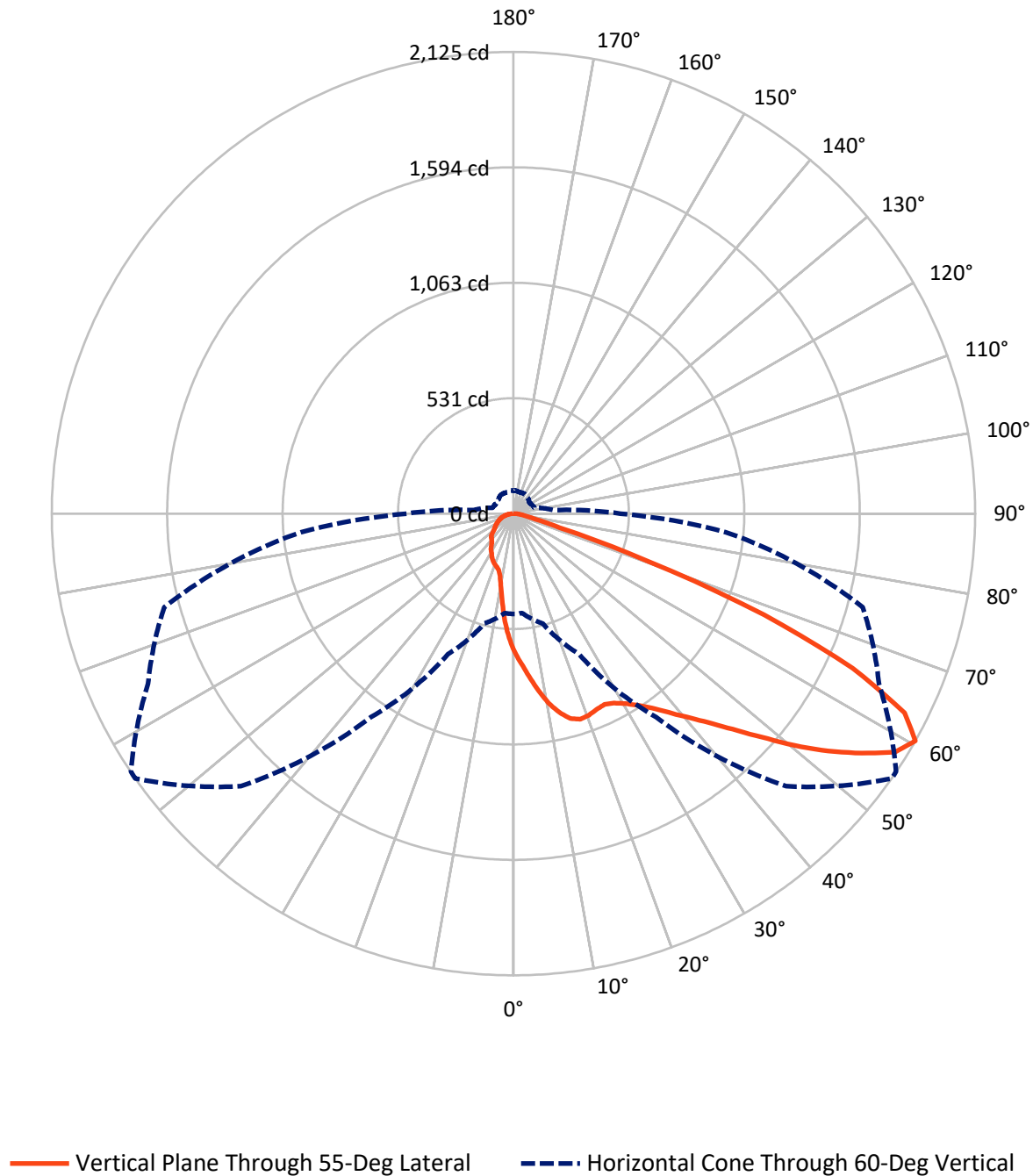


Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	412.8	0.0	412.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2459.0	0.0	2459.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	2871.8	0.0	2871.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	2.1
10°-20°	168.9	5.9
20°-30°	274.9	9.6
30°-40°	410.9	14.3
40°-50°	604.0	21.0
50°-60°	707.9	24.6
60°-70°	466.8	16.3
70°-80°	148.6	5.2
80°-90°	30.2	1.1
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°	2871.8	100.0
0°-180°	2871.8	100.0

Coefficient of Utilization



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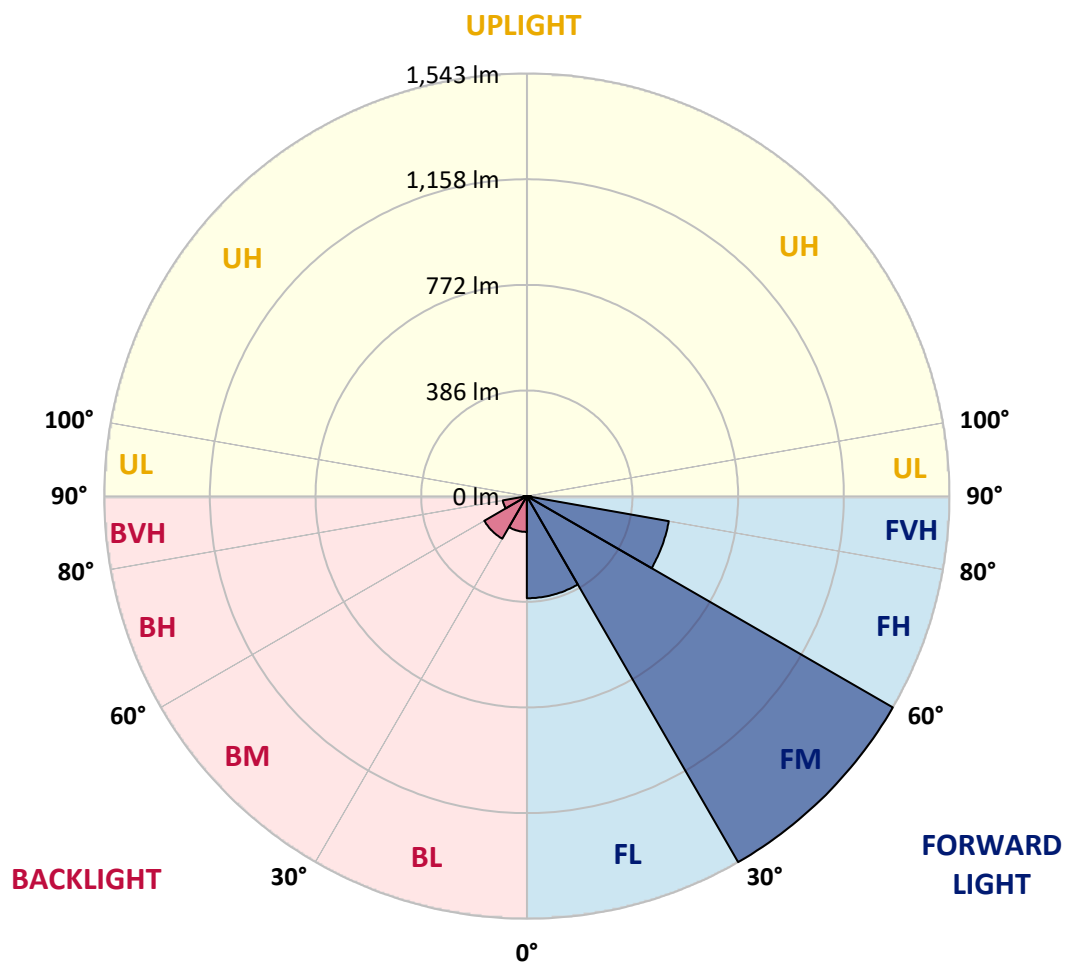
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	372.7	13.0			
FM	(30°-60°)	1543.4	53.7			
FH	(60°-80°)	526.3	18.3			G0/660
FVH	(80°-90°)	16.6	0.6			G1/100
BL	(0°-30°)	130.7	4.6	B1/500		
BM	(30°-60°)	179.4	6.2	B0/220		
BH	(60°-80°)	89.1	3.1	B0/110		G0/110
BVH	(80°-90°)	13.6	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°	56°	65°	75°	85°
0°	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9
2.5°	741.2	738.5	738.5	731.6	721.4	707.3	690.4	686.2	679.8	663.3	642.1
5°	854.2	851.3	847.3	835.3	816.3	788.0	752.4	746.0	722.9	688.9	650.6
7.5°	928.9	927.3	926.0	915.6	896.9	869.0	821.3	814.0	774.9	718.7	658.8
10°	921.2	926.2	935.0	942.2	946.0	931.6	886.9	878.3	829.8	753.3	670.8
12.5°	849.0	856.1	872.3	902.1	936.4	964.1	938.7	933.9	888.5	789.9	686.0
15°	795.3	798.2	806.1	828.2	879.4	953.3	978.9	974.5	943.3	836.9	703.5
17.5°	778.6	779.9	781.8	789.1	824.0	911.0	995.3	999.5	996.4	885.8	723.3
20°	787.0	787.8	788.0	789.3	805.9	875.6	990.9	998.0	1043.0	934.7	742.8
22.5°	819.0	818.0	816.5	811.7	821.1	869.4	979.3	990.5	1079.0	979.3	761.0
25°	875.0	873.6	863.4	853.4	857.3	891.9	973.0	985.1	1107.1	1021.3	774.3
27.5°	941.6	940.2	929.8	910.8	906.7	929.3	987.6	995.1	1127.7	1058.6	780.1
30°	1010.7	1010.7	997.8	976.0	962.6	972.2	1014.5	1020.5	1143.3	1094.6	783.8
32.5°	1086.1	1088.1	1068.2	1043.2	1028.4	1022.8	1052.1	1057.3	1166.0	1137.1	791.8
35°	1182.9	1178.3	1153.9	1121.0	1097.3	1084.6	1098.8	1104.8	1199.3	1189.9	804.5
37.5°	1291.7	1283.6	1253.6	1214.3	1172.9	1151.6	1161.0	1162.5	1248.6	1258.8	827.6
40°	1381.6	1380.2	1354.8	1317.5	1265.3	1236.8	1232.2	1233.0	1317.1	1340.4	862.5
42.5°	1457.4	1452.0	1447.4	1434.3	1378.9	1332.1	1313.4	1313.6	1391.4	1424.7	897.7
45°	1490.9	1489.9	1503.4	1537.1	1497.3	1442.2	1415.5	1419.3	1476.5	1511.3	931.6
47.5°	1476.5	1477.4	1513.6	1602.0	1625.6	1583.3	1536.1	1533.8	1559.0	1577.7	961.6
50°	1348.3	1361.8	1459.9	1608.1	1709.6	1730.7	1677.4	1668.9	1631.2	1630.6	979.9
52.5°	1251.5	1250.9	1311.1	1546.7	1739.4	1863.7	1815.8	1796.6	1690.9	1660.3	981.4
55°	1120.8	1120.0	1164.7	1367.1	1680.3	1956.5	1946.3	1922.4	1745.7	1670.1	971.4
57.5°	848.8	864.6	909.1	1094.4	1493.0	1941.7	2071.0	2051.0	1799.1	1665.7	969.5
60°	461.9	460.0	524.5	713.3	1143.1	1774.0	2125.3	2124.3	1856.0	1664.1	981.0
62.5°	212.9	210.8	223.7	317.6	655.4	1421.2	2020.4	2035.4	1908.6	1648.9	979.9
65°	159.2	153.8	136.3	147.8	250.8	848.4	1716.1	1756.1	1827.5	1586.4	934.5
67.5°	142.0	136.7	116.3	109.1	125.9	299.3	1244.9	1281.7	1528.2	1469.5	861.1
70°	130.1	125.5	105.1	93.7	94.5	132.6	651.7	724.1	1120.0	1226.4	733.9
72.5°	118.6	114.7	96.2	82.4	79.5	87.6	222.1	267.9	696.6	893.7	547.2
75°	106.6	102.8	86.6	73.9	68.3	64.9	105.7	113.9	368.4	493.5	293.7
77.5°	92.6	90.5	77.2	65.1	60.4	49.1	70.4	73.9	157.8	193.8	139.9
80°	80.5	78.9	68.9	59.1	54.1	37.9	48.5	51.0	77.8	96.8	78.3
82.5°	52.5	56.6	57.0	50.8	47.7	30.4	32.1	33.9	51.6	57.0	34.1
85°	21.6	26.2	39.3	35.0	33.1	25.8	21.2	21.6	31.6	33.3	12.3
87.5°	9.8	10.8	19.4	19.6	17.1	9.8	10.6	11.7	16.2	16.0	5.4
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°	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9	636.9
2.5°	636.3	626.7	609.6	587.8	572.2	560.7	548.2	539.1	528.9	519.9	521.4
5°	634.8	616.3	578.0	537.4	497.9	465.4	438.3	418.4	397.8	389.6	388.6
7.5°	636.1	604.6	541.8	475.4	415.2	373.8	342.4	323.4	311.6	304.7	305.1
10°	635.7	593.6	502.7	411.1	345.3	307.4	288.3	282.0	281.0	281.8	283.1
12.5°	636.3	578.6	458.7	353.2	295.1	275.8	276.6	282.2	285.8	288.1	289.5
15°	639.0	566.3	413.8	307.6	268.9	269.5	278.5	287.2	292.4	294.9	296.2
17.5°	642.9	550.9	373.8	273.1	257.9	267.5	279.1	288.5	292.4	293.9	294.9
20°	643.4	533.3	333.4	249.3	250.6	263.1	273.3	280.8	285.8	287.4	288.3
22.5°	641.5	509.3	292.0	232.1	242.3	254.8	263.5	272.0	265.4	260.0	258.5
25°	633.6	479.1	256.6	217.9	231.9	243.5	253.5	244.1	241.0	236.9	237.3
27.5°	616.5	441.5	223.3	204.6	219.6	236.2	229.0	227.7	223.7	219.6	219.6
30°	594.0	401.7	195.4	190.7	204.8	213.1	214.8	212.9	210.6	205.2	205.6
32.5°	573.8	359.7	175.7	179.0	195.4	195.4	202.7	202.7	194.4	179.2	179.2
35°	553.9	320.1	161.1	169.2	180.0	183.6	193.6	180.5	168.6	161.7	161.3
37.5°	538.2	286.4	151.5	160.9	165.1	174.0	174.2	164.6	160.7	154.4	153.8
40°	529.1	258.1	145.7	156.7	157.1	165.5	151.7	154.4	153.6	148.8	148.2
42.5°	524.1	236.2	141.3	153.2	151.1	143.0	140.5	145.1	146.5	144.0	143.0
45°	520.1	219.2	137.8	140.9	146.3	131.5	130.5	134.0	137.2	137.0	136.1
47.5°	518.1	207.3	134.7	133.2	134.2	124.7	122.6	124.3	128.2	130.7	130.5
50°	509.9	198.1	130.1	125.3	118.6	118.6	117.6	117.6	122.4	127.4	127.8
52.5°	495.6	187.3	123.4	117.8	110.1	113.4	113.9	113.0	118.0	123.4	123.8
55°	479.8	179.2	114.5	110.9	103.0	108.6	110.5	109.7	113.0	116.8	116.6
57.5°	480.0	179.0	106.8	104.1	96.4	102.6	107.2	107.4	107.2	109.9	109.9
60°	492.0	183.2	100.7	94.9	88.7	96.2	103.7	103.7	102.2	106.2	106.6
62.5°	495.6	182.7	97.0	86.2	81.8	90.3	98.4	99.7	98.7	104.3	104.9
65°	464.4	173.0	93.2	78.3	75.6	83.9	92.0	95.5	94.5	101.8	102.6
67.5°	421.1	160.3	87.4	71.2	69.1	77.6	85.3	89.1	88.9	98.4	98.9
70°	363.0	144.7	80.1	63.9	62.9	70.4	77.2	81.2	83.0	94.1	93.9
72.5°	281.2	124.1	69.1	56.2	56.0	62.9	68.9	73.3	76.8	87.4	87.4
75°	181.3	97.6	56.4	48.7	47.9	54.3	60.6	65.6	76.4	93.2	93.0
77.5°	110.7	74.5	45.4	40.6	40.4	46.2	52.5	61.0	83.5	83.0	80.8
80°	66.4	53.5	36.2	32.5	32.5	37.9	44.7	65.4	69.3	79.1	74.7
82.5°	34.6	32.9	27.1	23.9	25.0	29.8	40.8	52.2	56.6	48.1	44.1
85°	14.2	17.5	16.7	15.2	15.8	20.6	39.3	41.8	33.5	35.2	35.4
87.5°	4.8	7.7	7.7	6.0	6.7	14.6	23.3	13.9	16.9	10.0	7.5
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)