

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: P671171

Luminaire Tested: **CCP-SA-1D-840-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671171
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-840-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4W
distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4796.8 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

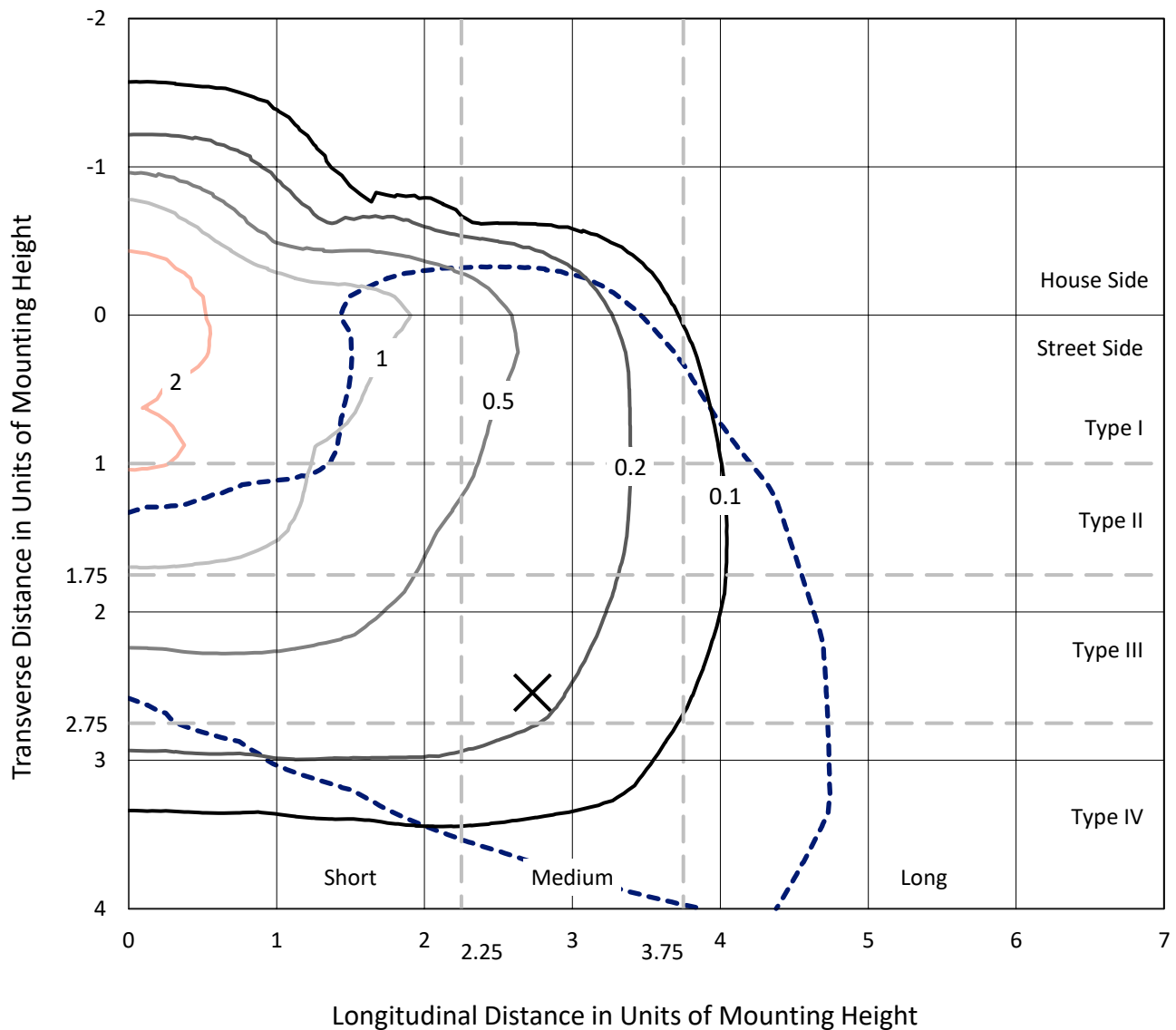
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P671171

CATALOG NUMBER: CCP-SA-1D-840-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

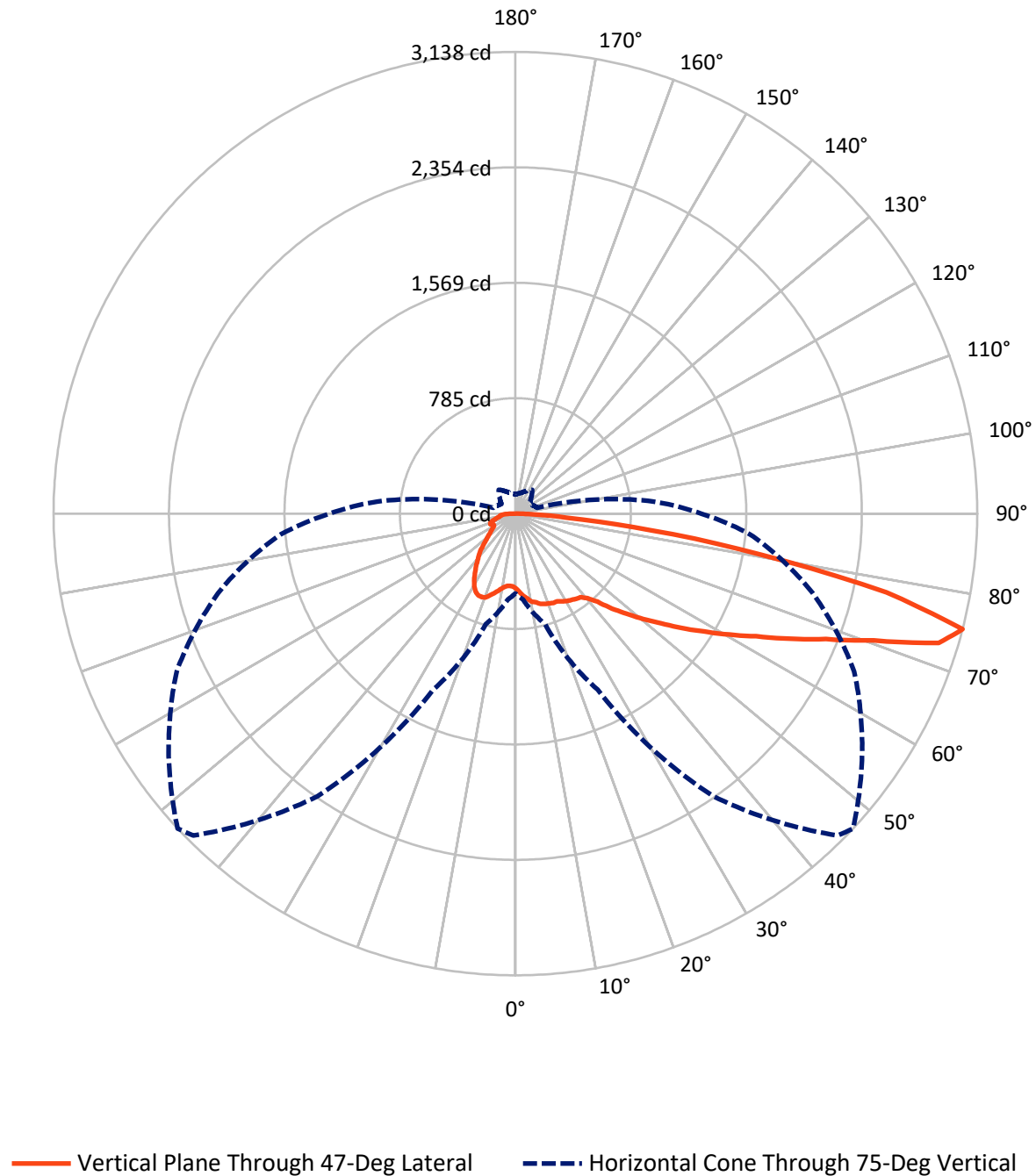
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P671171
CATALOG NUMBER: CCP-SA-1D-840-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P671171

CATALOG NUMBER: CCP-SA-1D-840-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1147.2	0.0	1147.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3649.7	0.0	3649.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	4796.8	0.0	4796.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	1.1
10°-20°	171.0	3.6
20°-30°	292.9	6.1
30°-40°	409.8	8.5
40°-50°	571.4	11.9
50°-60°	854.0	17.8
60°-70°	1231.3	25.7
70°-80°	1048.1	21.8
80°-90°	167.0	3.5
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°	4796.8	100.0
0°-180°	4796.8	100.0

Coefficient of Utilization



REPORT NUMBER: P671171

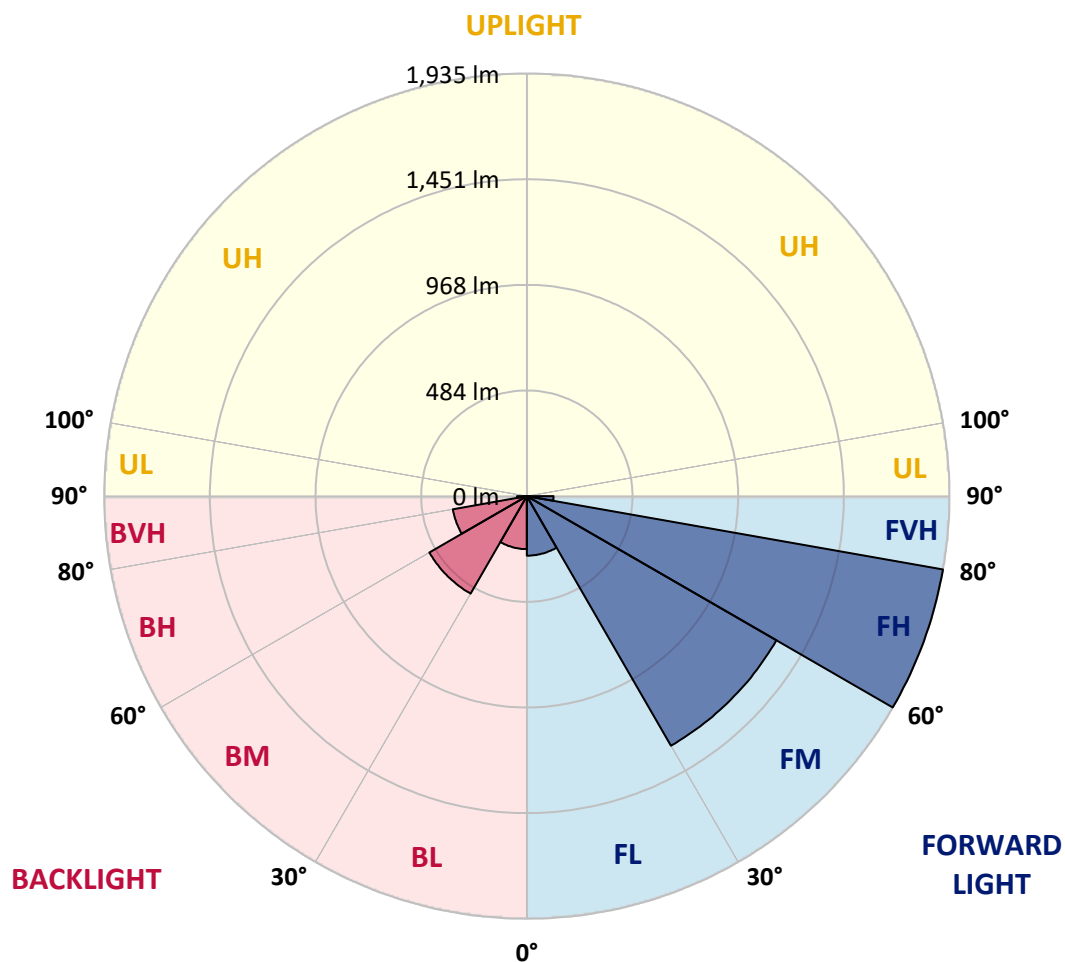
CATALOG NUMBER: CCP-SA-1D-840-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	272.5	5.7			
FM	(30°-60°)	1319.6	27.5			
FH	(60°-80°)	1935.2	40.3			G2/5000
FVH	(80°-90°)	122.3	2.6			G2/225
BL	(0°-30°)	242.8	5.1	B1/500		
BM	(30°-60°)	515.6	10.7	B1/1000		
BH	(60°-80°)	344.1	7.2	B1/500		G1/500
BVH	(80°-90°)	44.6	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





REPORT NUMBER: P671171

CATALOG NUMBER: CCP-SA-1D-840-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3
2.5°	546.1	547.8	547.8	544.3	540.8	533.8	533.8	526.8	523.3	514.6	511.1
5°	596.8	591.6	586.3	584.6	575.8	563.6	561.8	554.8	535.6	526.8	514.6
7.5°	633.6	631.8	630.1	623.1	607.3	588.1	582.8	572.3	553.1	535.6	521.6
10°	663.3	670.3	663.3	647.6	631.8	610.8	609.1	589.8	572.3	551.3	533.8
12.5°	696.6	698.3	686.1	666.8	642.3	624.8	617.8	610.8	591.6	574.1	547.8
15°	719.3	715.8	707.1	680.8	652.8	635.3	637.1	628.3	607.3	595.1	567.1
17.5°	719.3	719.3	705.3	686.1	661.6	645.8	645.8	640.6	626.6	609.1	589.8
20°	705.3	705.3	696.6	686.1	658.1	654.6	651.1	647.6	647.6	631.8	603.8
22.5°	687.8	684.3	687.8	670.3	651.1	654.6	659.8	658.1	652.8	638.8	619.6
25°	670.3	672.1	675.6	663.3	645.8	661.6	659.8	668.6	665.1	654.6	638.8
27.5°	668.6	672.1	673.8	661.6	654.6	668.6	675.6	684.3	686.1	675.6	656.3
30°	694.8	693.1	691.3	675.6	670.3	682.6	689.6	701.8	712.3	689.6	673.8
32.5°	763.1	752.6	742.1	700.1	684.3	693.1	700.1	717.6	719.3	707.1	684.3
35°	871.6	864.6	829.6	756.1	712.3	703.6	710.6	722.8	726.4	717.6	700.1
37.5°	995.9	992.4	943.4	854.1	770.1	728.1	721.1	738.6	752.6	733.4	708.8
40°	1118.4	1104.4	1069.4	981.9	843.6	764.9	756.1	764.9	770.1	756.1	740.4
42.5°	1228.7	1212.9	1204.2	1116.7	939.9	826.1	819.1	798.1	813.9	796.4	775.4
45°	1321.4	1317.9	1314.4	1239.2	1050.1	925.9	920.6	866.4	883.9	869.9	840.1
47.5°	1387.9	1403.7	1398.4	1356.4	1176.2	1032.6	1016.9	946.9	973.1	959.1	929.4
50°	1466.7	1475.5	1470.2	1442.2	1293.4	1155.2	1125.4	1053.6	1083.4	1081.6	1065.9
52.5°	1536.7	1563.0	1533.2	1531.5	1461.5	1288.2	1237.4	1169.2	1218.2	1237.4	1235.7
55°	1619.0	1640.0	1631.2	1627.7	1612.0	1417.7	1372.2	1289.9	1372.2	1400.2	1424.7
57.5°	1689.0	1687.2	1720.5	1760.7	1780.0	1566.5	1512.2	1415.9	1540.2	1571.7	1640.0
60°	1720.5	1750.2	1806.2	1907.8	1962.0	1725.7	1669.7	1592.7	1710.0	1734.5	1860.5
62.5°	1741.5	1767.7	1876.3	2047.8	2079.3	1888.5	1836.0	1759.0	1895.5	1913.0	2100.3
65°	1683.7	1708.2	1923.5	2100.3	2212.3	2063.5	2051.3	1970.8	2081.0	2091.5	2352.3
67.5°	1617.2	1643.5	1883.3	2166.8	2389.1	2296.3	2277.1	2180.8	2264.8	2252.6	2544.9
70°	1500.0	1535.0	1780.0	2224.6	2585.1	2621.9	2583.4	2446.8	2455.6	2340.1	2553.6
72.5°	1142.9	1165.7	1393.2	1995.3	2676.1	3073.4	3006.9	2733.9	2634.1	2357.6	2254.3
75°	542.6	584.6	777.1	1319.7	2345.3	3094.4	3138.2	2875.6	2539.6	2091.5	1598.0
77.5°	157.5	157.5	236.3	560.1	1470.2	2494.1	2576.4	2441.6	2095.0	1549.0	840.1
80°	85.8	91.0	124.3	197.8	645.8	1573.5	1692.5	1619.0	1233.9	612.6	217.0
82.5°	49.0	50.8	82.3	119.0	294.0	855.9	925.9	840.1	469.1	185.5	101.5
85°	28.0	29.8	47.3	78.8	175.0	315.0	343.0	297.5	189.0	124.3	50.8
87.5°	14.0	14.0	22.8	36.8	89.3	89.3	87.5	106.8	113.8	75.3	22.8
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: P671171

CATALOG NUMBER: CCP-SA-1D-840-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3
2.5°	509.3	507.6	507.6	500.6	498.8	493.6	493.6	490.1	488.3	493.6	493.6
5°	511.1	502.3	500.6	493.6	495.3	491.8	498.8	495.3	493.6	493.6	491.8
7.5°	514.6	505.8	498.8	493.6	491.8	497.1	505.8	505.8	516.3	511.1	511.1
10°	523.3	518.1	509.3	505.8	505.8	511.1	521.6	528.6	537.3	537.3	532.1
12.5°	544.3	535.6	525.1	519.8	526.8	532.1	542.6	549.6	560.1	563.6	560.1
15°	560.1	551.3	547.8	544.3	549.6	556.6	565.3	572.3	584.6	588.1	586.3
17.5°	581.1	570.6	568.8	570.6	574.1	579.3	584.6	589.8	598.6	598.6	598.6
20°	591.6	588.1	586.3	591.6	598.6	605.6	602.1	598.6	596.8	600.3	598.6
22.5°	610.8	607.3	609.1	614.3	614.3	610.8	605.6	593.3	589.8	593.3	589.8
25°	628.3	624.8	624.8	621.3	619.6	607.3	596.8	586.3	574.1	579.3	577.6
27.5°	645.8	644.1	644.1	630.1	612.6	591.6	577.6	565.3	558.3	567.1	561.8
30°	666.8	668.6	659.8	626.6	584.6	561.8	546.1	544.3	542.6	547.8	546.1
32.5°	686.1	687.8	673.8	621.3	563.6	519.8	504.1	505.8	514.6	523.3	532.1
35°	696.6	705.3	687.8	603.8	521.6	472.6	455.1	470.8	486.6	498.8	507.6
37.5°	715.8	738.6	708.8	584.6	484.8	430.6	418.3	423.6	442.8	462.1	470.8
40°	743.9	770.1	714.1	547.8	435.8	388.6	381.6	383.3	390.3	402.6	411.3
42.5°	792.9	820.9	719.3	500.6	386.8	362.3	343.0	337.8	332.5	332.5	330.8
45°	864.6	890.9	712.3	441.1	337.8	320.3	306.3	294.0	280.0	257.3	260.8
47.5°	969.6	990.6	717.6	388.6	292.3	278.3	267.8	253.8	232.8	208.3	206.5
50°	1128.9	1097.4	710.6	334.3	259.0	246.8	238.0	218.8	194.3	176.8	175.0
52.5°	1314.4	1251.4	703.6	288.8	231.0	220.5	213.5	192.5	169.8	161.0	159.3
55°	1538.5	1447.4	714.1	248.5	210.0	201.3	194.3	175.0	157.5	150.5	148.8
57.5°	1802.7	1659.2	771.9	217.0	187.3	183.8	182.0	166.3	150.5	145.3	143.5
60°	2051.3	1862.3	810.4	194.3	166.3	169.8	173.3	166.3	148.8	145.3	145.3
62.5°	2259.6	2030.3	749.1	175.0	155.8	166.3	182.0	176.8	169.8	173.3	169.8
65°	2443.3	2088.0	560.1	164.5	150.5	175.0	201.3	199.5	183.8	187.3	185.5
67.5°	2474.8	2018.0	365.8	155.8	147.0	192.5	225.8	204.8	173.3	173.3	168.0
70°	2343.6	1830.8	245.0	147.0	145.3	192.5	231.0	192.5	162.8	162.8	155.8
72.5°	1923.5	1463.2	189.0	138.3	133.0	171.5	218.8	182.0	152.3	148.8	136.5
75°	1263.7	943.4	154.0	131.3	115.5	150.5	197.8	168.0	145.3	134.8	129.5
77.5°	619.6	423.6	129.5	115.5	99.8	131.3	180.3	159.3	136.5	126.0	122.5
80°	169.8	152.3	108.5	101.5	84.0	113.8	169.8	152.3	127.8	117.3	112.0
82.5°	96.3	94.5	87.5	82.3	70.0	113.8	171.5	152.3	120.8	119.0	101.5
85°	52.5	56.0	63.0	61.3	54.3	101.5	162.8	133.0	98.0	82.3	82.3
87.5°	21.0	26.3	31.5	35.0	36.8	75.3	122.5	101.5	75.3	63.0	63.0
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)