

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: P670898

Luminaire Tested: **CCP-SA-2B-850-U-T3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670898
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-850-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3
distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6088.9 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

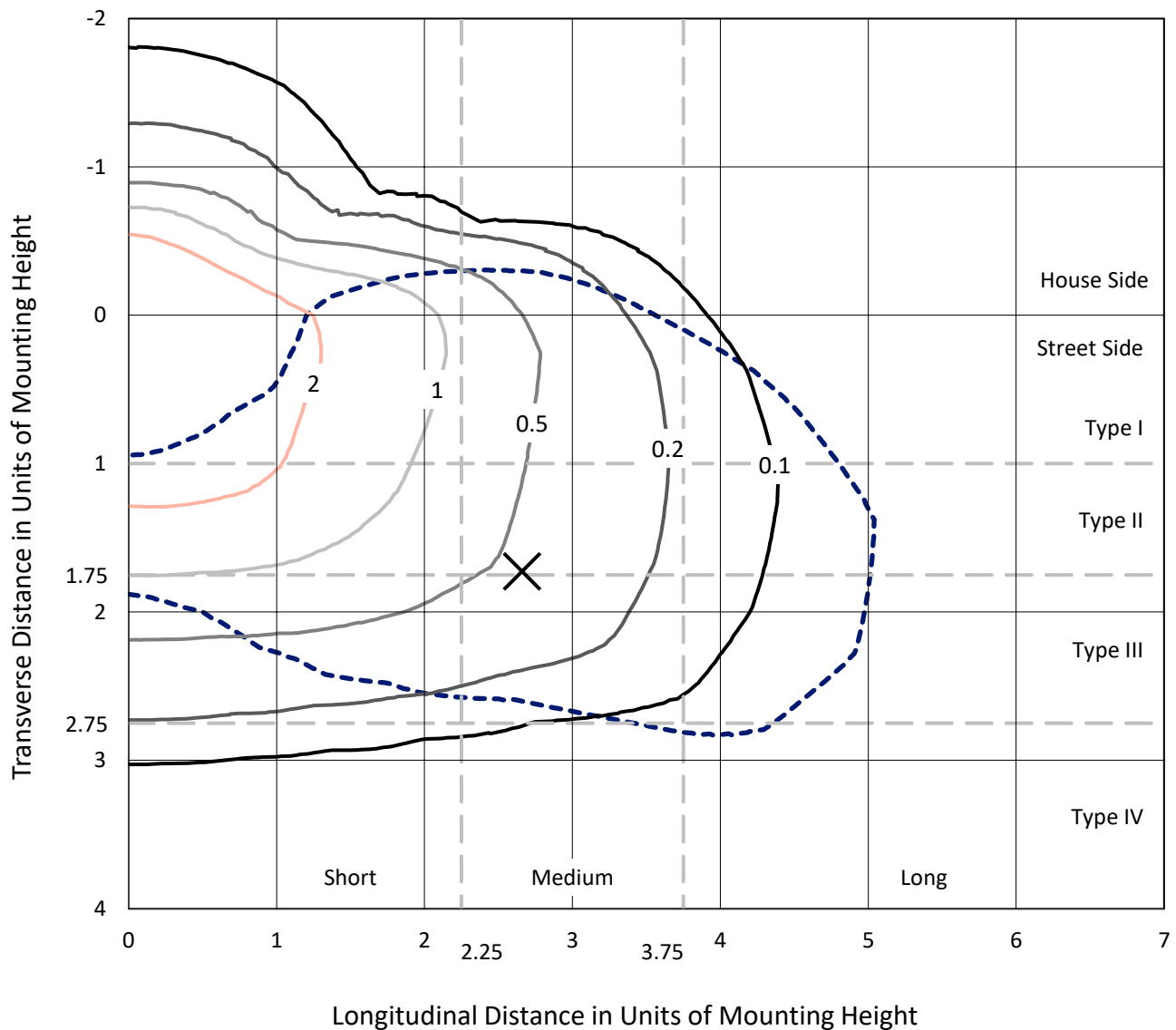
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P670898

CATALOG NUMBER: CCP-SA-2B-850-U-T3

Iso-Footcandle Lines of Horizontal Illumination

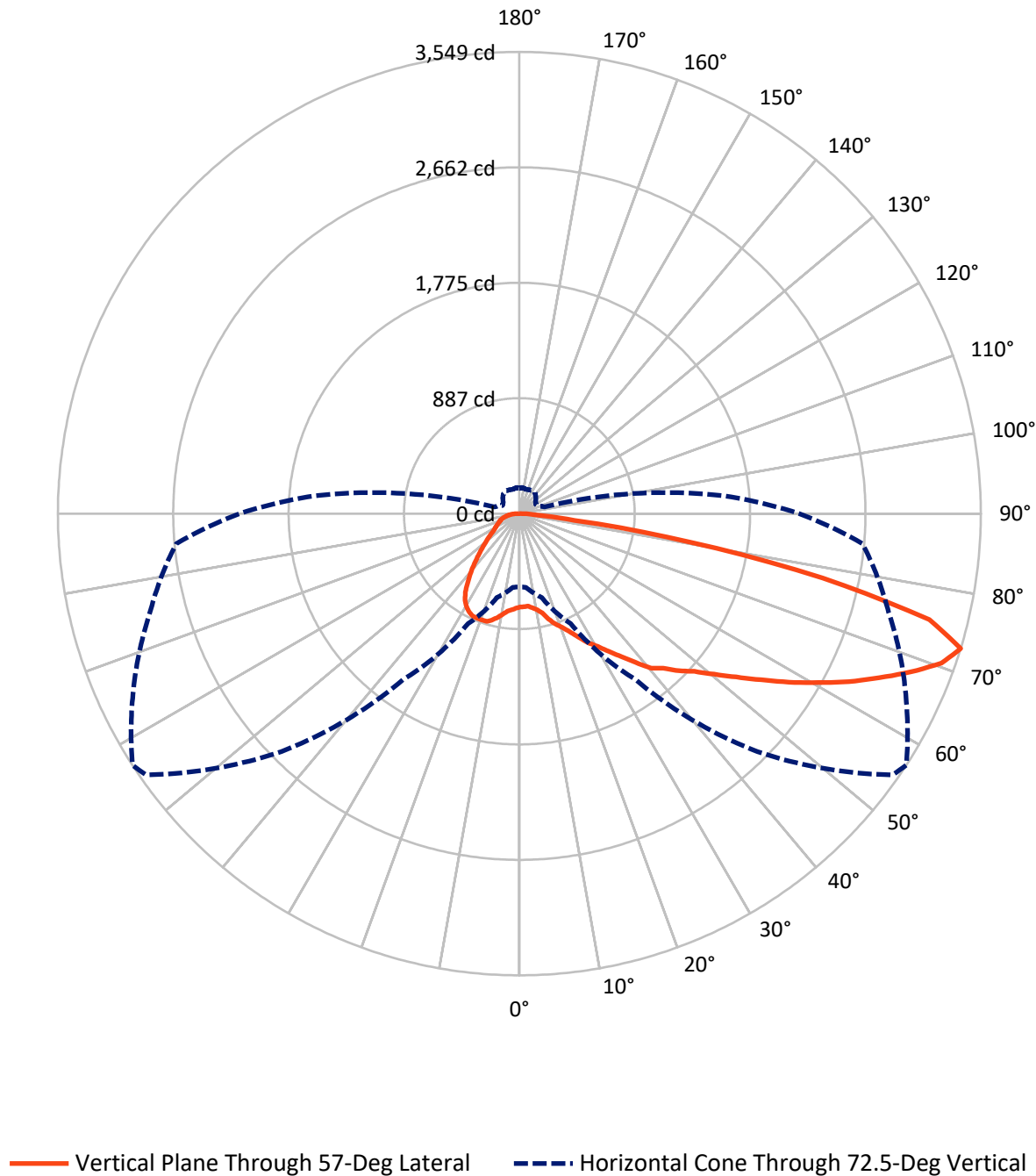
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P670898
CATALOG NUMBER: CCP-SA-2B-850-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P670898

CATALOG NUMBER: CCP-SA-2B-850-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1422.0	0.0	1422.0
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	4666.9	0.0	4666.9
	% Fixture	76.6	0.0	76.6
Total	Lumens	6088.9	0.0	6088.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	1.2
10°-20°	240.4	3.9
20°-30°	439.5	7.2
30°-40°	644.8	10.6
40°-50°	887.8	14.6
50°-60°	1217.5	20.0
60°-70°	1467.6	24.1
70°-80°	977.6	16.1
80°-90°	142.4	2.3
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°	6088.9	100.0
0°-180°	6088.9	100.0

Coefficient of Utilization



REPORT NUMBER: P670898

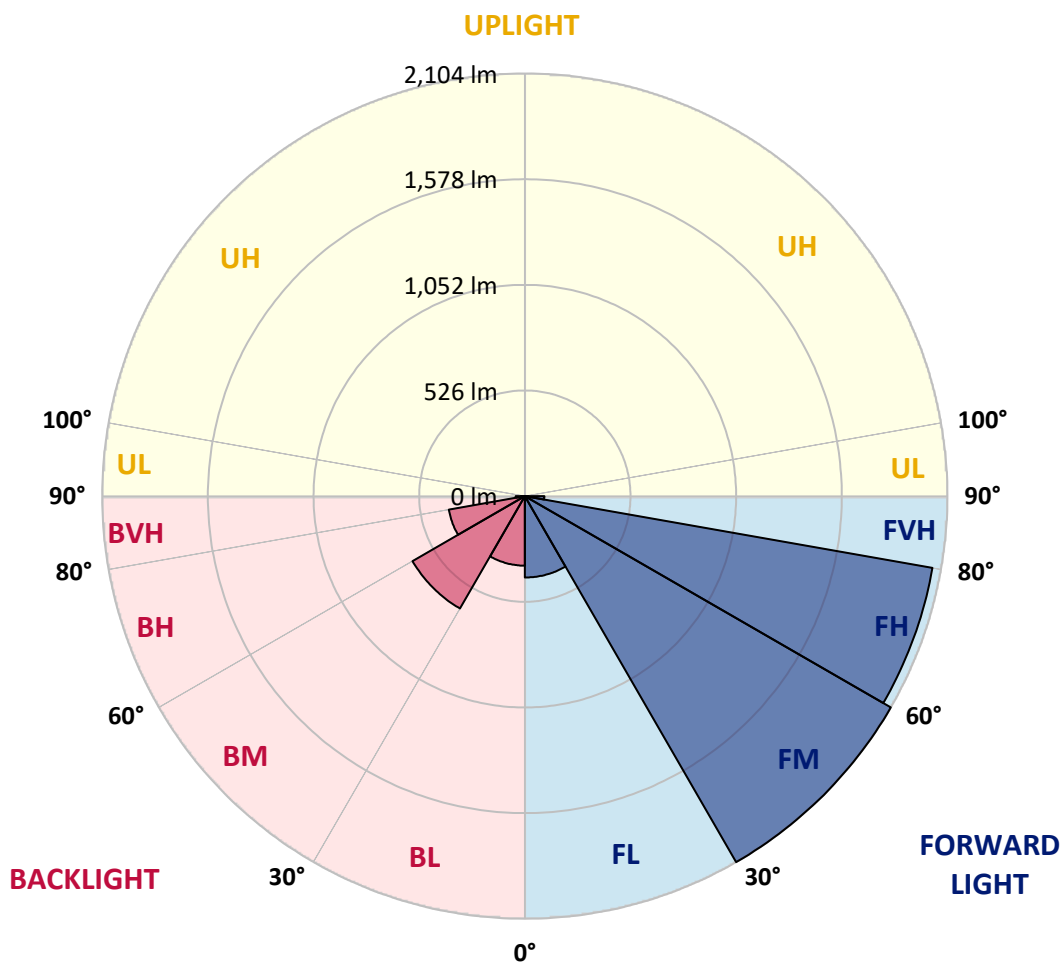
CATALOG NUMBER: CCP-SA-2B-850-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	405.1	6.7			
FM	(30°-60°)	2104.2	34.6			
FH	(60°-80°)	2060.7	33.8			G2/5000
FVH	(80°-90°)	97.0	1.6			G1/100
BL	(0°-30°)	346.2	5.7	B1/500		
BM	(30°-60°)	645.9	10.6	B1/1000		
BH	(60°-80°)	384.5	6.3	B1/500		G1/500
BVH	(80°-90°)	45.4	0.7			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 III Medium





REPORT NUMBER: P670898

CATALOG NUMBER: CCP-SA-2B-850-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7
2.5°	705.4	707.6	712.0	709.8	709.8	703.2	714.3	716.5	712.0	714.3	718.7
5°	705.4	709.8	716.5	712.0	714.3	712.0	707.6	714.3	714.3	716.5	723.1
7.5°	743.1	740.9	740.9	734.2	732.0	729.8	732.0	732.0	727.6	729.8	729.8
10°	785.2	785.2	780.8	780.8	776.4	765.3	754.2	752.0	745.3	747.5	747.5
12.5°	829.6	834.0	838.5	825.2	820.7	803.0	796.3	783.0	783.0	778.6	776.4
15°	885.1	878.4	882.8	878.4	867.3	849.6	838.5	840.7	825.2	820.7	814.1
17.5°	933.9	936.1	929.4	925.0	905.0	891.7	893.9	891.7	871.7	865.1	854.0
20°	991.5	989.3	989.3	976.0	958.3	940.5	933.9	931.6	936.1	922.8	896.1
22.5°	1051.4	1042.5	1042.5	1031.5	1007.1	996.0	991.5	982.7	987.1	976.0	936.1
25°	1100.2	1100.2	1115.7	1093.6	1080.3	1058.1	1049.2	1051.4	1053.6	1031.5	984.9
27.5°	1164.5	1153.5	1169.0	1157.9	1151.2	1126.8	1115.7	1122.4	1118.0	1093.6	1029.2
30°	1246.6	1248.8	1240.0	1224.4	1215.6	1197.8	1191.2	1184.5	1191.2	1160.1	1078.0
32.5°	1348.6	1355.3	1333.1	1315.4	1299.8	1282.1	1268.8	1262.1	1268.8	1222.2	1115.7
35°	1466.2	1472.9	1455.1	1435.2	1417.4	1373.0	1362.0	1350.9	1326.5	1251.1	1151.2
37.5°	1574.9	1566.0	1561.6	1561.6	1528.3	1464.0	1457.3	1450.7	1404.1	1308.7	1200.0
40°	1648.1	1659.2	1654.8	1650.3	1645.9	1586.0	1572.7	1561.6	1484.0	1395.2	1268.8
42.5°	1730.2	1723.5	1741.3	1747.9	1732.4	1714.6	1661.4	1623.7	1554.9	1484.0	1370.8
45°	1827.8	1823.3	1830.0	1854.4	1832.2	1838.9	1750.1	1723.5	1637.0	1594.9	1499.5
47.5°	1914.3	1925.4	1958.6	1965.3	1947.6	1978.6	1854.4	1812.2	1756.8	1723.5	1632.6
50°	1952.0	1965.3	2040.7	2087.3	2089.5	2138.3	1958.6	1940.9	1865.5	1878.8	1798.9
52.5°	1920.9	1963.1	2054.0	2176.0	2251.4	2300.2	2096.2	2087.3	2018.5	2060.7	1980.8
55°	1949.8	1989.7	2049.6	2220.4	2411.2	2422.2	2286.9	2253.7	2184.9	2242.6	2169.4
57.5°	1963.1	1940.9	2054.0	2269.2	2528.7	2557.6	2468.8	2444.4	2391.2	2446.6	2404.5
60°	1858.8	1885.4	1991.9	2255.9	2535.4	2701.7	2672.9	2637.4	2588.6	2639.6	2615.2
62.5°	1741.3	1759.0	1874.4	2176.0	2573.1	2806.0	2870.3	2843.7	2774.9	2819.3	2861.4
65°	1592.6	1594.9	1723.5	2034.1	2499.9	2865.9	3043.3	3041.1	2992.3	2981.2	3047.8
67.5°	1410.8	1428.5	1530.5	1883.2	2400.1	2932.4	3214.1	3247.4	3149.8	3063.3	3087.7
70°	1082.5	1100.2	1197.8	1543.8	2196.0	2912.5	3424.9	3442.6	3251.8	3032.2	2970.1
72.5°	563.4	567.9	667.7	931.6	1557.2	2586.4	3502.5	3549.1	3278.5	2941.3	2648.5
75°	186.3	186.3	228.5	354.9	734.2	1654.8	3172.0	3256.3	3147.6	2715.0	2167.2
77.5°	110.9	113.1	135.3	177.5	292.8	661.0	2235.9	2384.5	2575.3	2309.1	1583.8
80°	79.9	82.1	102.0	122.0	175.2	212.9	1122.4	1328.7	1581.6	1486.2	845.1
82.5°	59.9	59.9	79.9	90.9	119.8	126.4	312.8	428.1	683.2	532.4	232.9
85°	62.1	62.1	62.1	64.3	82.1	73.2	130.9	139.7	199.6	175.2	64.3
87.5°	22.2	24.4	62.1	42.1	42.1	31.1	51.0	55.5	71.0	73.2	24.4
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: P670898

CATALOG NUMBER: CCP-SA-2B-850-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7	718.7
2.5°	720.9	720.9	723.1	723.1	727.6	732.0	738.7	734.2	734.2	736.4	734.2
5°	718.7	720.9	727.6	738.7	743.1	745.3	758.6	758.6	758.6	763.1	763.1
7.5°	727.6	732.0	743.1	754.2	756.4	763.1	780.8	785.2	796.3	800.8	803.0
10°	749.7	756.4	765.3	778.6	787.5	796.3	809.6	825.2	822.9	836.3	838.5
12.5°	783.0	780.8	796.3	809.6	818.5	831.8	836.3	836.3	836.3	836.3	840.7
15°	809.6	814.1	827.4	836.3	847.3	845.1	836.3	827.4	829.6	827.4	827.4
17.5°	849.6	849.6	860.7	862.9	867.3	845.1	831.8	831.8	838.5	838.5	834.0
20°	889.5	887.3	891.7	889.5	860.7	834.0	831.8	834.0	836.3	834.0	831.8
22.5°	927.2	922.8	916.1	907.2	856.2	831.8	827.4	816.3	805.2	805.2	798.5
25°	960.5	956.0	938.3	911.7	854.0	818.5	796.3	769.7	756.4	749.7	758.6
27.5°	991.5	982.7	958.3	911.7	834.0	783.0	740.9	707.6	696.5	687.6	696.5
30°	1033.7	1018.1	984.9	905.0	803.0	727.6	669.9	630.0	618.9	605.6	610.0
32.5°	1071.4	1035.9	1007.1	885.1	763.1	665.5	598.9	559.0	539.0	527.9	536.8
35°	1111.3	1075.8	1015.9	854.0	700.9	590.0	523.5	485.8	470.3	454.7	454.7
37.5°	1151.2	1131.3	1029.2	796.3	625.5	519.1	459.2	430.3	403.7	374.9	374.9
40°	1235.5	1208.9	1044.8	729.8	550.1	450.3	408.1	370.4	343.8	303.9	301.7
42.5°	1324.2	1266.6	1044.8	649.9	483.6	401.5	361.6	321.6	272.8	248.4	250.7
45°	1437.4	1370.8	1015.9	578.9	417.0	361.6	317.2	266.2	244.0	228.5	228.5
47.5°	1579.3	1475.1	980.4	501.3	363.8	326.1	270.6	239.6	224.0	210.7	208.5
50°	1747.9	1570.5	936.1	434.8	319.4	292.8	246.2	221.8	208.5	199.6	199.6
52.5°	1925.4	1710.2	905.0	374.9	283.9	248.4	228.5	212.9	201.9	195.2	193.0
55°	2105.0	1850.0	882.8	310.5	250.7	228.5	224.0	210.7	206.3	199.6	195.2
57.5°	2306.9	1965.3	878.4	266.2	224.0	219.6	228.5	217.4	210.7	204.1	197.4
60°	2524.3	2120.6	838.5	230.7	210.7	215.2	221.8	210.7	206.3	199.6	195.2
62.5°	2739.4	2235.9	729.8	204.1	197.4	201.9	210.7	201.9	195.2	197.4	199.6
65°	2828.2	2244.8	565.6	184.1	181.9	184.1	197.4	195.2	188.5	201.9	201.9
67.5°	2739.4	2164.9	399.3	166.4	166.4	177.5	199.6	204.1	197.4	215.2	212.9
70°	2537.6	1967.5	270.6	155.3	159.7	188.5	206.3	201.9	193.0	215.2	210.7
72.5°	2153.8	1574.9	197.4	144.2	150.8	179.7	204.1	199.6	193.0	201.9	193.0
75°	1617.0	1120.2	155.3	130.9	133.1	161.9	210.7	199.6	181.9	177.5	170.8
77.5°	1080.3	692.1	119.8	115.3	115.3	142.0	201.9	186.3	164.1	157.5	155.3
80°	514.6	277.3	95.4	97.6	99.8	122.0	184.1	166.4	148.6	139.7	139.7
82.5°	164.1	104.3	79.9	79.9	79.9	99.8	153.1	139.7	128.7	122.0	110.9
85°	57.7	57.7	68.8	71.0	64.3	73.2	126.4	119.8	106.5	88.7	86.5
87.5°	22.2	33.3	46.6	55.5	39.9	51.0	90.9	84.3	77.6	57.7	55.5
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)