

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: P674408

Luminaire Tested: **CCP-SA-1F-735-U-AFL-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674408  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-735-U-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ AFL distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

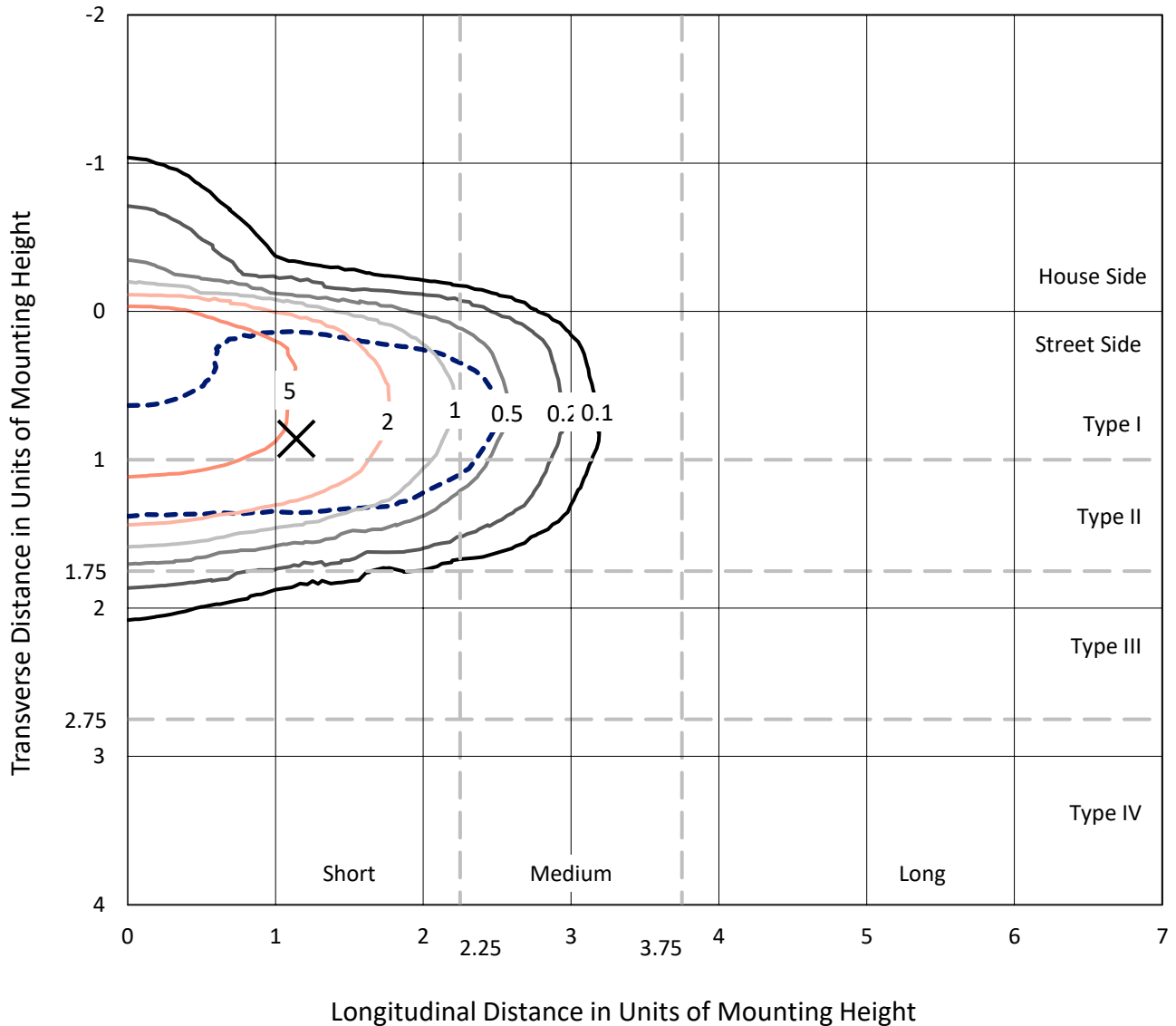
Lumens per Lamp: N/A  
Luminaire Lumens: 6132.3 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 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

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### Iso-Footcandle Lines of Horizontal Illumination

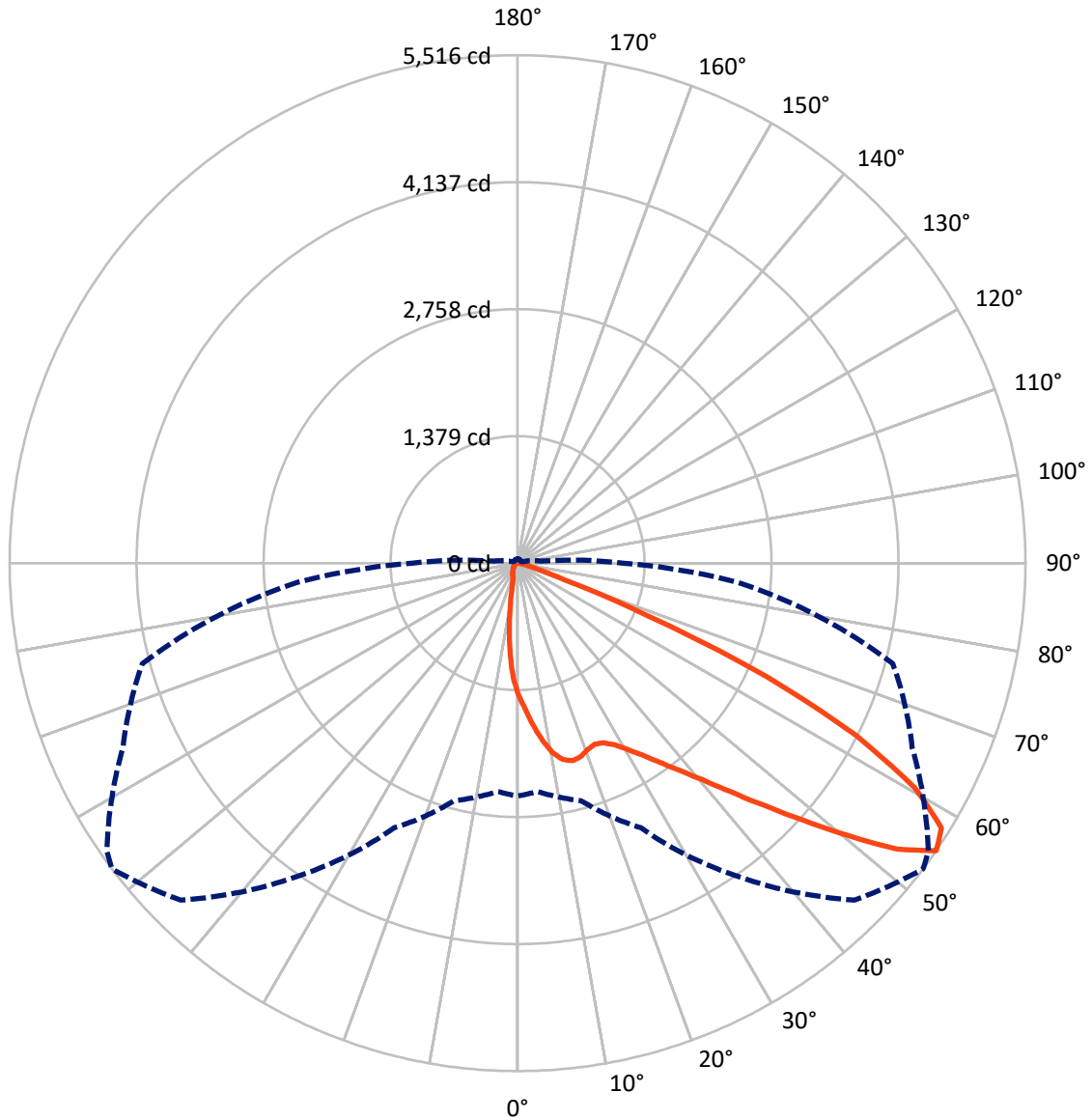
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.3 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
<b>House Side</b>	Lumens	331.5	0.0	331.5
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	5800.9	0.0	5800.9
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	6132.3	0.0	6132.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.3	2.1
10°-20°	335.3	5.5
20°-30°	561.1	9.2
30°-40°	918.0	15.0
40°-50°	1475.7	24.1
50°-60°	1666.1	27.2
60°-70°	888.7	14.5
70°-80°	146.0	2.4
80°-90°	13.1	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°	6132.3	100.0
0°-180°	6132.3	100.0



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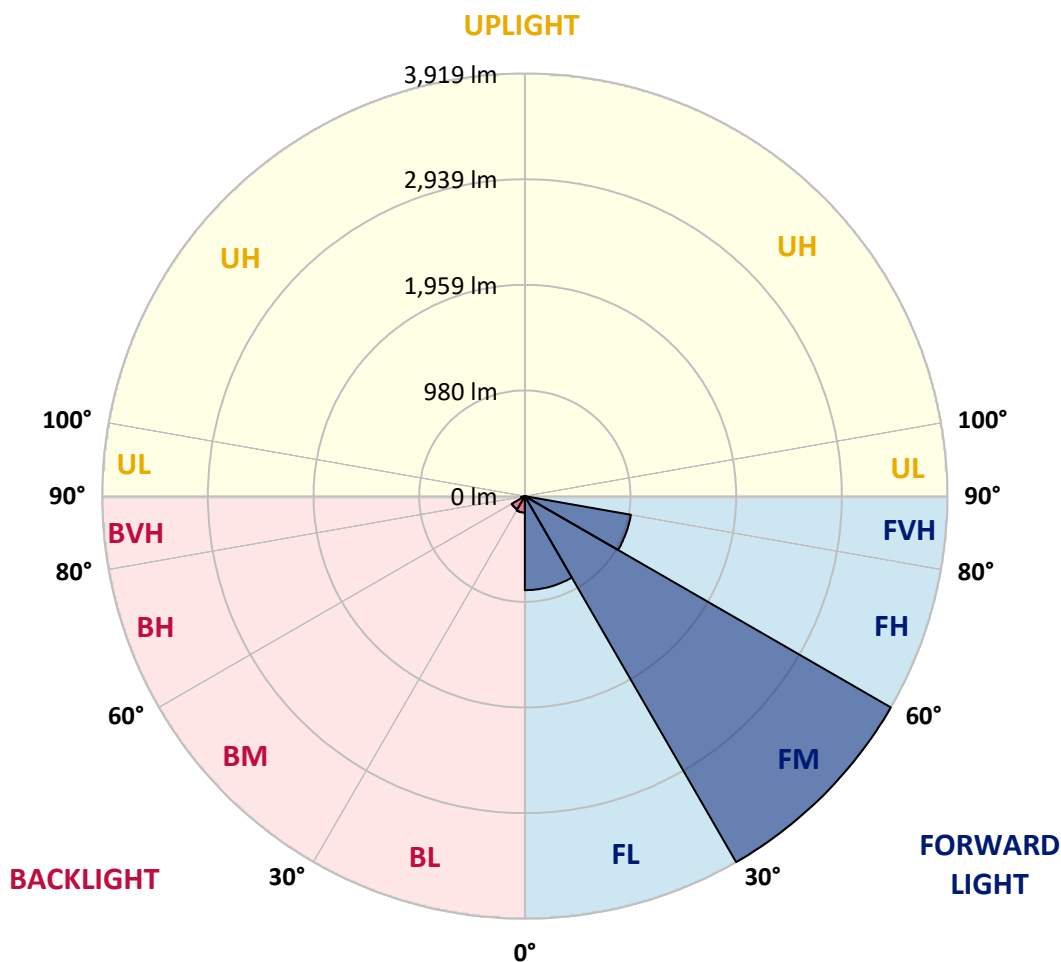
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	871.7	14.2			
FM (30°-60°)	3918.6	63.9			
FH (60°-80°)	998.5	16.3			G1/1800
FVH (80°-90°)	12.0	0.2			G1/100
BL (0°-30°)	153.0	2.5	B1/500		
BM (30°-60°)	141.2	2.3	B0/220		
BH (60°-80°)	36.2	0.6	B0/110		G0/110
BVH (80°-90°)	1.1	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°	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1720.9	1710.7	1716.6	1701.1	1672.6	1637.1	1583.9	1586.6	1544.7	1508.2	1457.7
5°	2005.2	1994.4	1991.2	1951.4	1911.7	1847.7	1768.8	1755.9	1679.0	1586.1	1480.2
7.5°	2155.1	2145.9	2152.9	2138.4	2099.2	2041.2	1941.2	1931.6	1812.8	1672.1	1516.2
10°	2086.3	2083.1	2112.6	2147.0	2178.7	2171.7	2091.7	2076.6	1943.4	1766.6	1553.3
12.5°	1901.5	1911.7	1949.3	2012.7	2110.5	2202.4	2189.5	2192.2	2076.6	1869.2	1594.1
15°	1792.9	1805.3	1826.8	1859.6	1979.9	2143.3	2226.5	2253.4	2204.5	1983.7	1642.5
17.5°	1783.8	1794.0	1797.2	1809.6	1880.0	2048.2	2211.5	2262.5	2318.4	2091.7	1696.8
20°	1854.2	1858.5	1855.8	1846.7	1871.9	1996.6	2164.2	2237.3	2412.4	2206.7	1744.6
22.5°	1986.9	1980.5	1972.4	1938.6	1936.9	2011.1	2138.4	2214.7	2468.3	2301.8	1776.3
25°	2151.3	2137.9	2126.6	2078.8	2056.2	2086.8	2161.5	2222.8	2518.8	2394.2	1798.9
27.5°	2330.8	2335.1	2307.1	2242.7	2207.2	2200.7	2233.0	2278.7	2567.7	2476.9	1811.2
30°	2522.6	2524.7	2488.2	2421.6	2389.3	2348.0	2345.8	2373.2	2620.4	2572.0	1823.0
32.5°	2741.3	2747.2	2687.5	2618.2	2561.8	2508.1	2481.8	2504.9	2714.9	2696.1	1847.2
35°	3057.2	3031.4	2950.8	2846.0	2766.0	2695.6	2655.3	2670.3	2840.7	2845.0	1895.6
37.5°	3382.8	3380.1	3290.9	3139.9	3008.8	2921.3	2852.5	2877.2	3017.4	3044.3	1972.9
40°	3686.4	3693.3	3616.0	3484.3	3315.6	3165.2	3091.6	3108.2	3252.2	3286.1	2067.0
42.5°	3884.6	3880.9	3886.8	3849.2	3679.9	3502.6	3391.9	3401.1	3525.2	3542.9	2184.6
45°	3976.0	3961.5	4012.0	4131.2	4064.1	3877.6	3751.4	3740.1	3808.3	3803.5	2291.6
47.5°	3897.0	3870.1	3986.2	4273.6	4403.6	4347.2	4166.7	4146.3	4088.3	4049.6	2402.8
50°	3504.2	3492.4	3740.6	4205.9	4617.0	4781.4	4648.7	4572.9	4338.1	4231.2	2461.3
52.5°	3130.8	3098.0	3265.7	3860.4	4521.9	5130.6	5158.0	5023.1	4545.5	4283.3	2441.5
55°	2529.0	2488.7	2671.4	3171.6	4145.2	5175.2	5515.8	5445.5	4727.1	4218.8	2401.2
57.5°	1536.1	1496.4	1765.0	2271.7	3315.1	4804.5	5427.7	5499.2	4866.8	4147.9	2374.8
60°	645.8	620.6	725.9	1084.3	2116.9	3948.6	4960.3	5138.7	4893.1	4050.6	2385.6
62.5°	335.8	324.5	330.4	434.1	855.9	2600.0	4128.6	4439.1	4627.7	4007.7	2396.3
65°	252.0	243.4	224.6	238.6	332.6	1124.0	2966.9	3382.8	4052.3	3898.6	2323.8
67.5°	206.9	198.8	185.4	181.1	196.1	390.1	1514.6	2055.1	3175.4	3433.8	2063.7
70°	164.9	162.3	158.0	149.9	147.2	189.1	543.2	837.6	2099.7	2421.6	1495.8
72.5°	137.5	138.1	133.2	126.3	116.6	122.0	216.5	286.4	1016.0	1161.1	626.5
75°	115.0	115.0	116.6	106.9	97.2	83.8	120.4	139.7	326.1	268.1	133.8
77.5°	90.3	91.3	98.3	90.3	77.9	52.7	65.5	74.7	96.7	77.4	48.9
80°	72.0	70.9	68.2	81.1	69.8	37.1	31.2	34.4	45.1	37.1	24.2
82.5°	50.5	50.0	47.8	54.8	54.3	27.4	20.4	21.0	27.4	23.6	15.0
85°	12.4	14.5	30.6	25.8	22.6	16.1	12.4	13.4	17.7	15.6	8.1
87.5°	5.4	5.4	14.0	16.7	10.7	7.0	5.4	5.9	9.1	9.1	4.8
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°	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1	1435.1
2.5°	1439.9	1405.0	1361.0	1314.2	1266.4	1208.9	1172.4	1142.3	1118.6	1100.4	1093.9
5°	1445.3	1378.2	1278.2	1154.1	1027.8	909.6	818.3	750.6	694.7	664.1	650.7
7.5°	1444.8	1355.6	1175.1	967.1	761.9	591.6	470.7	396.0	346.0	325.6	313.2
10°	1444.2	1326.0	1057.4	759.7	509.4	342.8	252.5	210.6	192.4	185.4	184.3
12.5°	1459.8	1292.2	925.8	559.3	319.7	213.3	175.7	166.0	161.7	159.6	159.0
15°	1468.4	1261.0	787.1	394.9	215.5	168.7	156.9	152.6	151.0	149.9	149.4
17.5°	1477.6	1212.7	655.5	285.8	172.5	153.1	146.1	143.5	142.4	142.4	142.4
20°	1479.2	1160.6	524.9	210.6	153.1	142.9	135.9	133.2	131.6	130.6	130.6
22.5°	1467.3	1098.8	412.6	170.9	141.8	133.2	125.7	121.4	118.7	118.2	118.2
25°	1437.8	1011.2	316.5	149.9	132.7	123.6	114.4	109.6	107.5	107.5	107.5
27.5°	1395.3	908.0	244.5	133.2	120.9	111.8	103.7	99.4	98.9	98.3	98.9
30°	1347.0	808.6	187.0	118.2	106.9	99.4	93.0	90.8	91.9	91.9	92.4
32.5°	1298.6	709.2	146.1	106.4	94.6	88.1	84.9	84.9	86.5	86.5	86.5
35°	1257.3	612.0	122.5	96.7	86.0	80.6	79.0	80.6	81.7	82.2	82.2
37.5°	1234.2	528.2	108.0	88.1	79.0	74.7	74.1	75.8	77.9	79.5	80.1
40°	1225.6	463.7	99.4	81.7	72.5	69.8	69.3	71.5	75.2	77.9	78.4
42.5°	1226.1	406.7	91.9	75.2	68.2	64.5	64.5	67.7	71.5	74.1	74.1
45°	1229.9	357.8	84.4	68.8	64.5	58.0	58.6	62.9	65.5	68.2	68.2
47.5°	1233.1	318.6	76.3	61.8	55.9	52.7	53.7	57.0	60.7	65.0	65.0
50°	1214.3	290.7	68.2	54.3	48.9	47.8	50.0	52.7	58.0	62.3	62.9
52.5°	1169.1	265.4	61.3	48.4	44.1	44.6	47.3	48.9	53.2	53.7	54.3
55°	1149.3	252.5	55.9	44.1	40.3	41.9	43.5	44.1	43.0	40.3	40.3
57.5°	1145.0	243.9	50.5	39.8	37.1	39.2	38.7	35.5	32.2	29.0	28.5
60°	1149.3	232.1	46.2	34.4	33.8	34.4	32.8	26.9	22.6	20.4	19.3
62.5°	1124.6	214.9	42.4	29.6	29.6	29.0	24.7	18.3	14.5	12.9	12.4
65°	1042.9	181.1	38.7	24.7	24.2	23.1	16.7	12.4	9.7	8.1	7.5
67.5°	882.2	140.2	34.9	20.4	19.3	16.1	10.7	8.1	5.4	4.8	4.3
70°	601.8	87.0	29.6	16.1	14.5	10.2	6.4	4.8	3.2	2.7	2.1
72.5°	218.1	50.5	24.7	12.4	9.7	6.4	3.8	2.1	1.6	1.6	1.1
75°	51.6	35.5	18.8	9.1	6.4	3.8	2.1	1.6	1.1	1.1	0.5
77.5°	23.6	27.4	12.4	5.4	4.3	2.7	1.6	1.1	0.5	0.5	0.0
80°	13.4	19.3	5.9	3.8	3.2	2.1	1.1	0.5	0.5	0.0	0.0
82.5°	7.0	10.7	4.3	3.2	2.7	1.6	1.1	0.0	0.0	0.0	0.0
85°	4.8	5.4	3.2	2.7	2.1	1.6	1.1	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.2	2.7	2.1	1.6	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)