

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: P670834

Luminaire Tested: **CCP-SA-2D-750-U-T3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670834
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-750-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3 distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

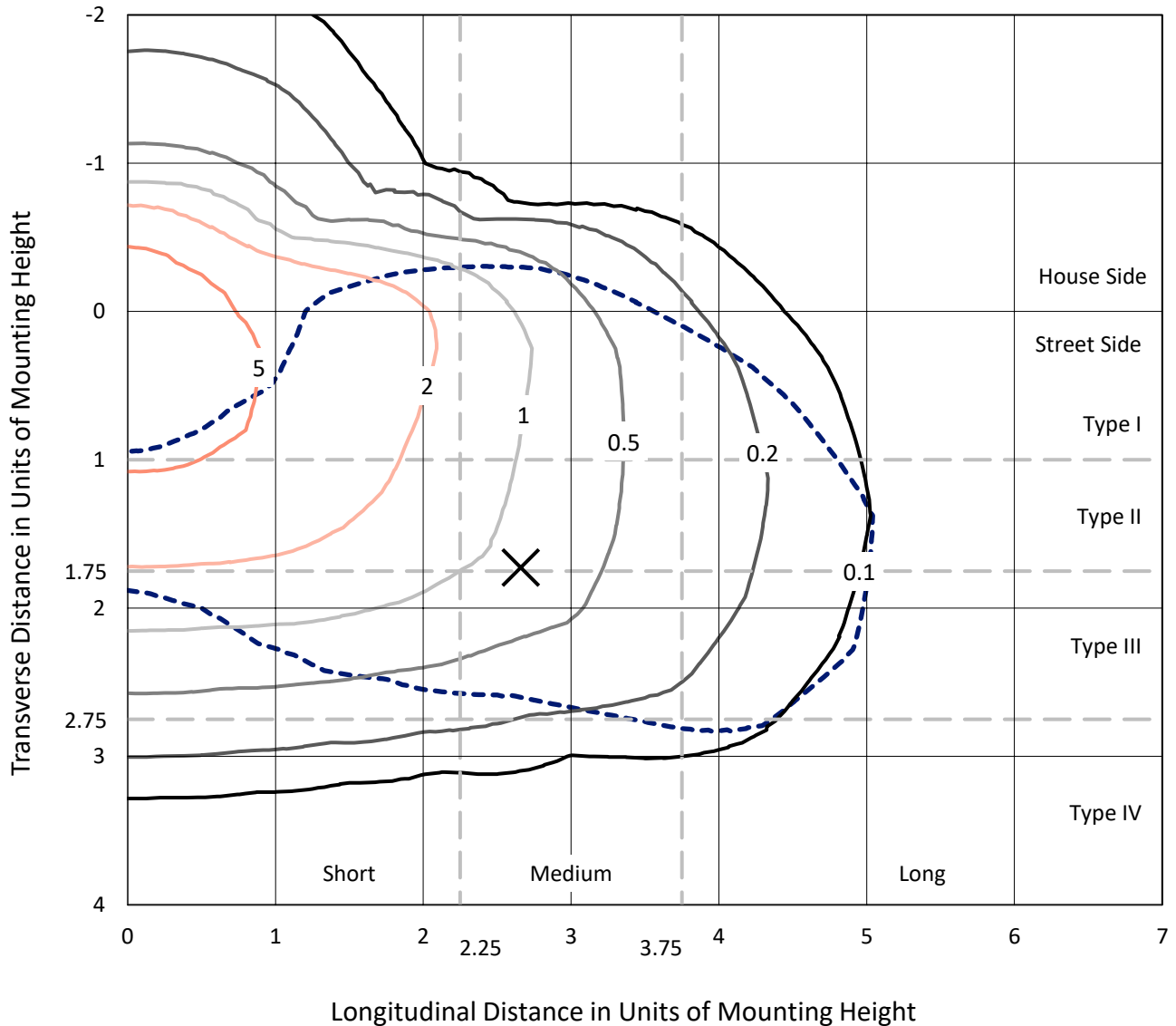
Lumens per Lamp: N/A
Luminaire Lumens: 11526.6 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 80.8
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

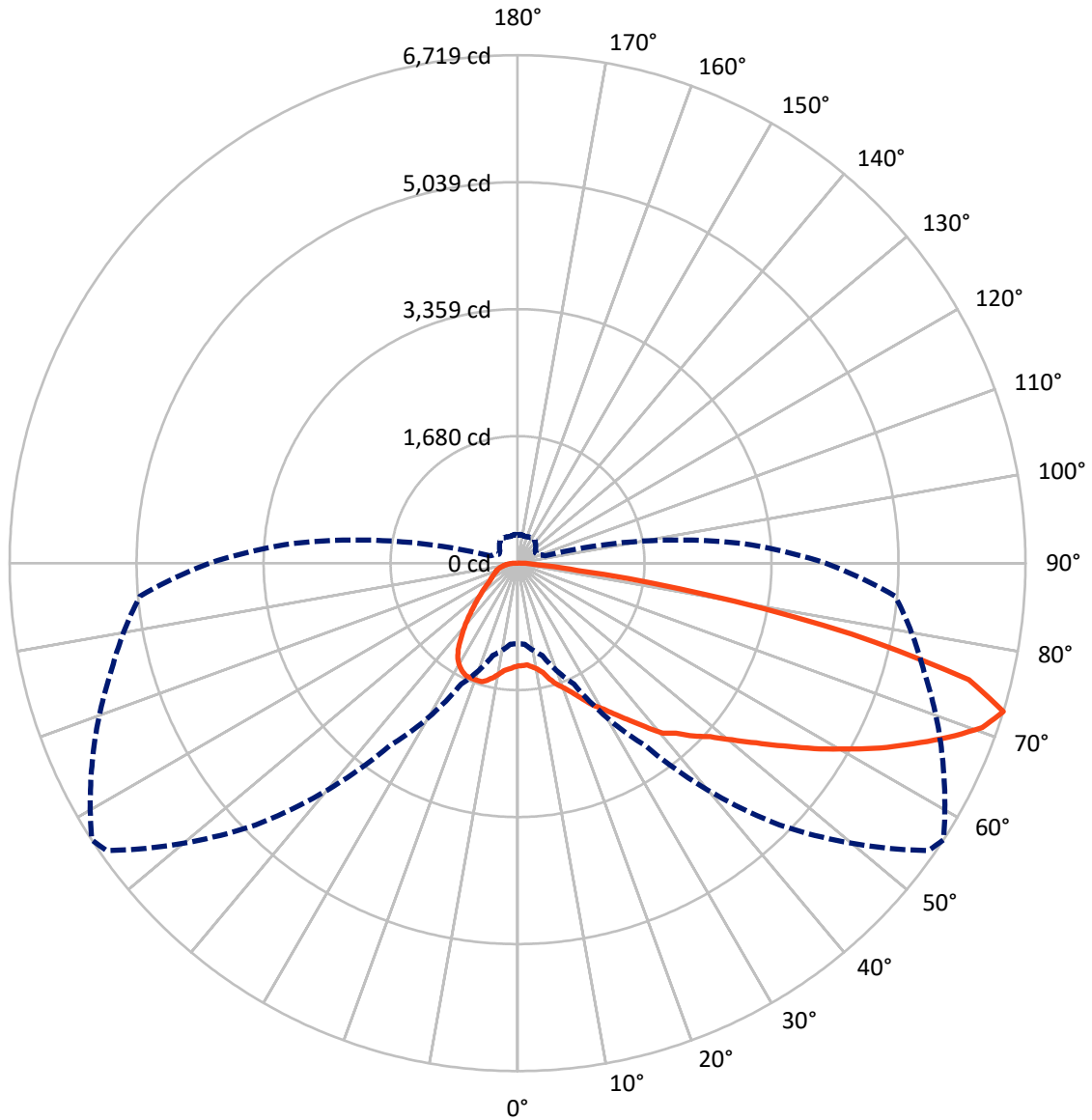
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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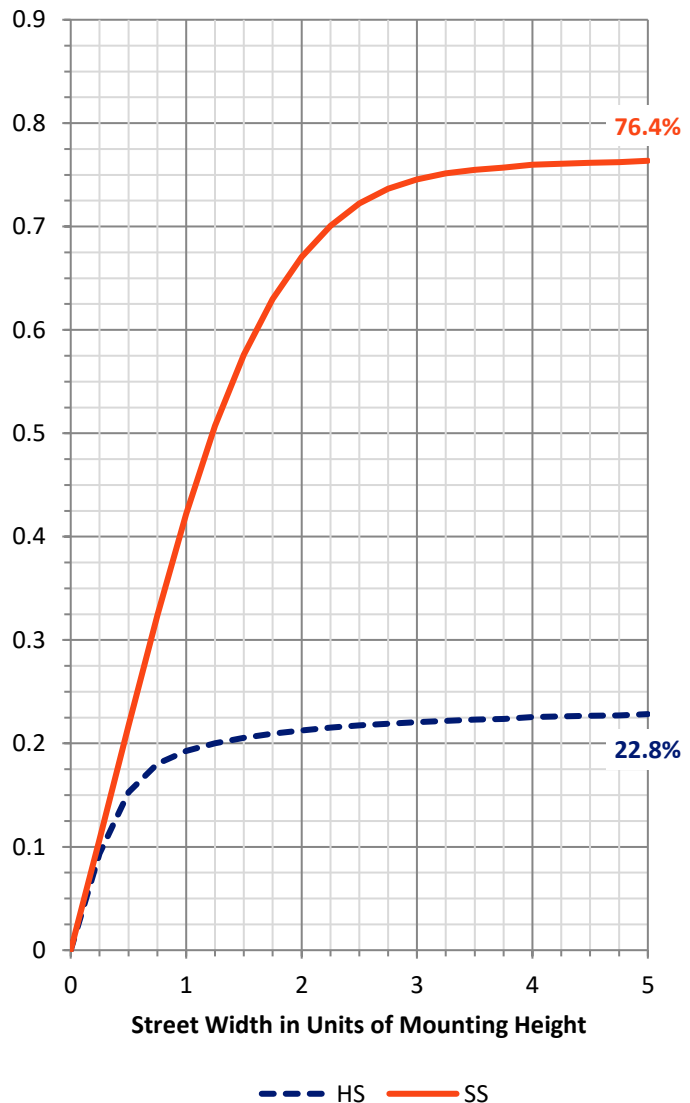
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2691.9	0.0	2691.9
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	8834.8	0.0	8834.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	11526.6	0.0	11526.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	1.2
10°-20°	455.1	3.9
20°-30°	832.0	7.2
30°-40°	1220.7	10.6
40°-50°	1680.7	14.6
50°-60°	2304.7	20.0
60°-70°	2778.2	24.1
70°-80°	1850.7	16.1
80°-90°	269.6	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°	11526.6	100.0
0°-180°	11526.6	100.0



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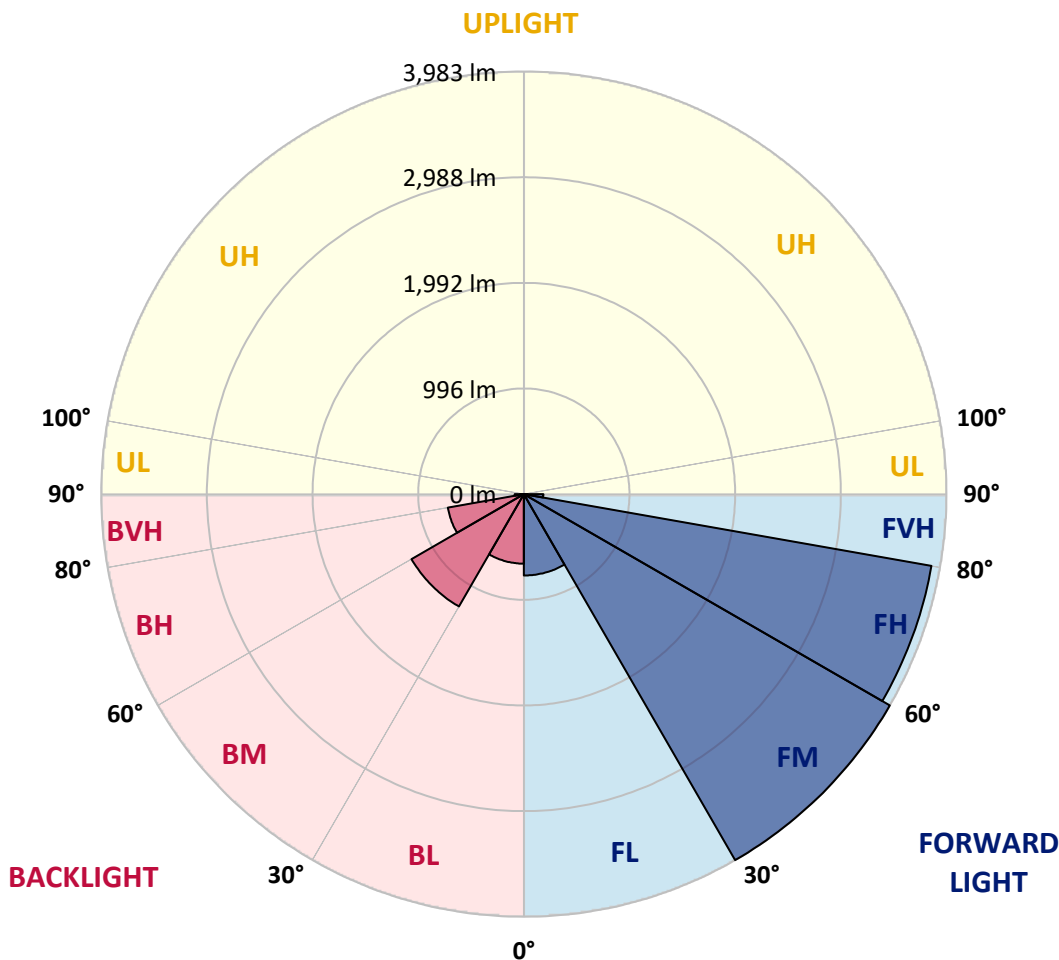
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	766.8	6.7			
FM (30°-60°)	3983.4	34.6			
FH (60°-80°)	3901.0	33.8			G2/5000
FVH (80°-90°)	183.6	1.6			G2/225
BL (0°-30°)	655.4	5.7	B2/1000		
BM (30°-60°)	1222.7	10.6	B2/2500		
BH (60°-80°)	727.8	6.3	B2/1000		G2/1000
BVH (80°-90°)	86.0	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5
2.5°	1335.3	1339.5	1347.9	1343.7	1343.7	1331.1	1352.1	1356.3	1347.9	1352.1	1360.5
5°	1335.3	1343.7	1356.3	1347.9	1352.1	1347.9	1339.5	1352.1	1352.1	1356.3	1368.9
7.5°	1406.7	1402.5	1402.5	1389.9	1385.7	1381.5	1385.7	1385.7	1377.3	1381.5	1381.5
10°	1486.5	1486.5	1478.1	1478.1	1469.7	1448.7	1427.7	1423.5	1410.9	1415.1	1415.1
12.5°	1570.5	1578.9	1587.3	1562.1	1553.7	1520.1	1507.5	1482.3	1482.3	1473.9	1469.7
15°	1675.4	1662.8	1671.2	1662.8	1641.9	1608.3	1587.3	1591.5	1562.1	1553.7	1541.1
17.5°	1767.8	1772.0	1759.4	1751.0	1713.2	1688.0	1692.2	1688.0	1650.3	1637.7	1616.7
20°	1877.0	1872.8	1872.8	1847.6	1814.0	1780.4	1767.8	1763.6	1772.0	1746.8	1696.4
22.5°	1990.4	1973.6	1973.6	1952.6	1906.4	1885.4	1877.0	1860.2	1868.6	1847.6	1772.0
25°	2082.8	2082.8	2112.2	2070.2	2045.0	2003.0	1986.2	1990.4	1994.6	1952.6	1864.4
27.5°	2204.5	2183.5	2212.9	2191.9	2179.3	2133.1	2112.2	2124.8	2116.4	2070.2	1948.4
30°	2359.9	2364.1	2347.3	2317.9	2301.1	2267.5	2254.9	2242.3	2254.9	2196.1	2040.8
32.5°	2553.1	2565.7	2523.7	2490.1	2460.7	2427.1	2401.9	2389.3	2401.9	2313.7	2112.2
35°	2775.6	2788.2	2754.6	2716.8	2683.2	2599.3	2578.3	2557.3	2511.1	2368.3	2179.3
37.5°	2981.4	2964.6	2956.2	2956.2	2893.2	2771.4	2758.8	2746.2	2658.0	2477.5	2271.7
40°	3119.9	3140.9	3132.5	3124.1	3115.7	3002.4	2977.2	2956.2	2809.2	2641.2	2401.9
42.5°	3275.3	3262.7	3296.3	3308.9	3279.5	3245.9	3145.1	3073.7	2943.6	2809.2	2595.1
45°	3460.1	3451.7	3464.3	3510.5	3468.5	3481.1	3313.1	3262.7	3098.9	3019.2	2838.6
47.5°	3623.8	3644.8	3707.8	3720.4	3686.8	3745.6	3510.5	3430.7	3325.7	3262.7	3090.5
50°	3695.2	3720.4	3863.2	3951.4	3955.6	4047.9	3707.8	3674.2	3531.5	3556.6	3405.5
52.5°	3636.4	3716.2	3888.4	4119.3	4262.1	4354.5	3968.2	3951.4	3821.2	3901.0	3749.8
55°	3691.0	3766.6	3880.0	4203.3	4564.4	4585.4	4329.3	4266.3	4136.1	4245.3	4106.7
57.5°	3716.2	3674.2	3888.4	4295.7	4787.0	4841.6	4673.6	4627.4	4526.6	4631.6	4551.8
60°	3518.9	3569.2	3770.8	4270.5	4799.6	5114.5	5059.9	4992.7	4900.4	4996.9	4950.8
62.5°	3296.3	3329.9	3548.2	4119.3	4871.0	5311.9	5433.7	5383.3	5253.1	5337.1	5416.9
65°	3015.0	3019.2	3262.7	3850.6	4732.4	5425.3	5761.2	5757.0	5664.6	5643.6	5769.6
67.5°	2670.6	2704.2	2897.4	3565.0	4543.4	5551.2	6084.5	6147.5	5962.7	5799.0	5845.2
70°	2049.2	2082.8	2267.5	2922.6	4157.1	5513.4	6483.4	6517.0	6155.9	5740.2	5622.6
72.5°	1066.6	1075.0	1263.9	1763.6	2947.8	4896.2	6630.4	6718.6	6206.3	5568.0	5013.7
75°	352.7	352.7	432.5	671.9	1389.9	3132.5	6004.7	6164.3	5958.5	5139.7	4102.5
77.5°	210.0	214.2	256.1	335.9	554.3	1251.3	4232.7	4514.0	4875.2	4371.3	2998.2
80°	151.2	155.4	193.2	231.0	331.7	403.1	2124.8	2515.3	2994.0	2813.4	1599.9
82.5°	113.4	113.4	151.2	172.2	226.8	239.3	592.1	810.4	1293.3	1007.8	440.9
85°	117.6	117.6	117.6	121.8	155.4	138.6	247.7	264.5	377.9	331.7	121.8
87.5°	42.0	46.2	117.6	79.8	79.8	58.8	96.6	105.0	134.4	138.6	46.2
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°	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5	1360.5
2.5°	1364.7	1364.7	1368.9	1368.9	1377.3	1385.7	1398.3	1389.9	1389.9	1394.1	1389.9
5°	1360.5	1364.7	1377.3	1398.3	1406.7	1410.9	1436.1	1436.1	1436.1	1444.5	1444.5
7.5°	1377.3	1385.7	1406.7	1427.7	1431.9	1444.5	1478.1	1486.5	1507.5	1515.9	1520.1
10°	1419.3	1431.9	1448.7	1473.9	1490.7	1507.5	1532.7	1562.1	1557.9	1583.1	1587.3
12.5°	1482.3	1478.1	1507.5	1532.7	1549.5	1574.7	1583.1	1583.1	1583.1	1583.1	1591.5
15°	1532.7	1541.1	1566.3	1583.1	1604.1	1599.9	1583.1	1566.3	1570.5	1566.3	1566.3
17.5°	1608.3	1608.3	1629.3	1633.5	1641.9	1599.9	1574.7	1574.7	1587.3	1587.3	1578.9
20°	1683.8	1679.6	1688.0	1683.8	1629.3	1578.9	1574.7	1578.9	1583.1	1578.9	1574.7
22.5°	1755.2	1746.8	1734.2	1717.4	1620.9	1574.7	1566.3	1545.3	1524.3	1524.3	1511.7
25°	1818.2	1809.8	1776.2	1725.8	1616.7	1549.5	1507.5	1457.1	1431.9	1419.3	1436.1
27.5°	1877.0	1860.2	1814.0	1725.8	1578.9	1482.3	1402.5	1339.5	1318.5	1301.7	1318.5
30°	1956.8	1927.4	1864.4	1713.2	1520.1	1377.3	1268.1	1192.5	1171.6	1146.4	1154.8
32.5°	2028.2	1961.0	1906.4	1675.4	1444.5	1259.7	1133.8	1058.2	1020.4	999.4	1016.2
35°	2103.8	2036.6	1923.2	1616.7	1326.9	1117.0	991.0	919.6	890.2	860.8	860.8
37.5°	2179.3	2141.5	1948.4	1507.5	1184.1	982.6	869.2	814.6	764.2	709.6	709.6
40°	2338.9	2288.5	1977.8	1381.5	1041.4	852.4	772.6	701.3	650.9	575.3	571.1
42.5°	2506.9	2397.7	1977.8	1230.3	915.4	760.0	684.5	608.9	516.5	470.3	474.5
45°	2721.0	2595.1	1923.2	1096.0	789.4	684.5	600.5	503.9	461.9	432.5	432.5
47.5°	2989.8	2792.4	1856.0	949.0	688.7	617.3	512.3	453.5	424.1	398.9	394.7
50°	3308.9	2973.0	1772.0	823.0	604.7	554.3	466.1	419.9	394.7	377.9	377.9
52.5°	3644.8	3237.5	1713.2	709.6	537.5	470.3	432.5	403.1	382.1	369.5	365.3
55°	3985.0	3502.1	1671.2	587.9	474.5	432.5	424.1	398.9	390.5	377.9	369.5
57.5°	4367.1	3720.4	1662.8	503.9	424.1	415.7	432.5	411.5	398.9	386.3	373.7
60°	4778.6	4014.4	1587.3	436.7	398.9	407.3	419.9	398.9	390.5	377.9	369.5
62.5°	5185.9	4232.7	1381.5	386.3	373.7	382.1	398.9	382.1	369.5	373.7	377.9
65°	5353.9	4249.5	1070.8	348.5	344.3	348.5	373.7	369.5	356.9	382.1	382.1
67.5°	5185.9	4098.3	755.8	314.9	314.9	335.9	377.9	386.3	373.7	407.3	403.1
70°	4803.8	3724.6	512.3	293.9	302.3	356.9	390.5	382.1	365.3	407.3	398.9
72.5°	4077.3	2981.4	373.7	272.9	285.5	340.1	386.3	377.9	365.3	382.1	365.3
75°	3061.2	2120.6	293.9	247.7	251.9	306.5	398.9	377.9	344.3	335.9	323.3
77.5°	2045.0	1310.1	226.8	218.4	218.4	268.7	382.1	352.7	310.7	298.1	293.9
80°	974.2	524.9	180.6	184.8	189.0	231.0	348.5	314.9	281.3	264.5	264.5
82.5°	310.7	197.4	151.2	151.2	151.2	189.0	289.7	264.5	243.5	231.0	210.0
85°	109.2	109.2	130.2	134.4	121.8	138.6	239.3	226.8	201.6	168.0	163.8
87.5°	42.0	63.0	88.2	105.0	75.6	96.6	172.2	159.6	147.0	109.2	105.0
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)