

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: P180237

Luminaire Tested: **ICS-E03-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180237
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E03-LED-E1-5XQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7843.4 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 75.2
Input Voltage (V): NR
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



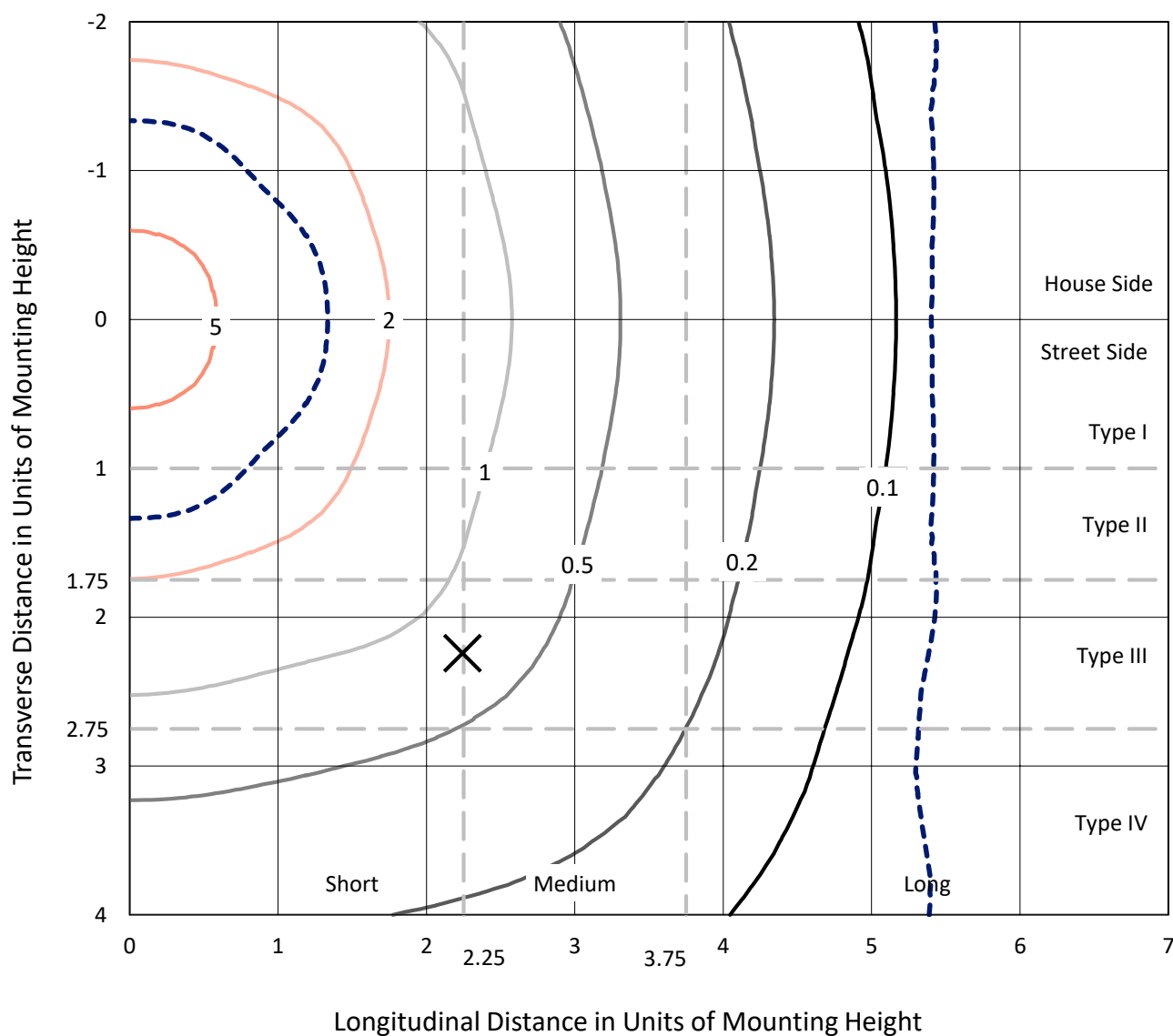
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

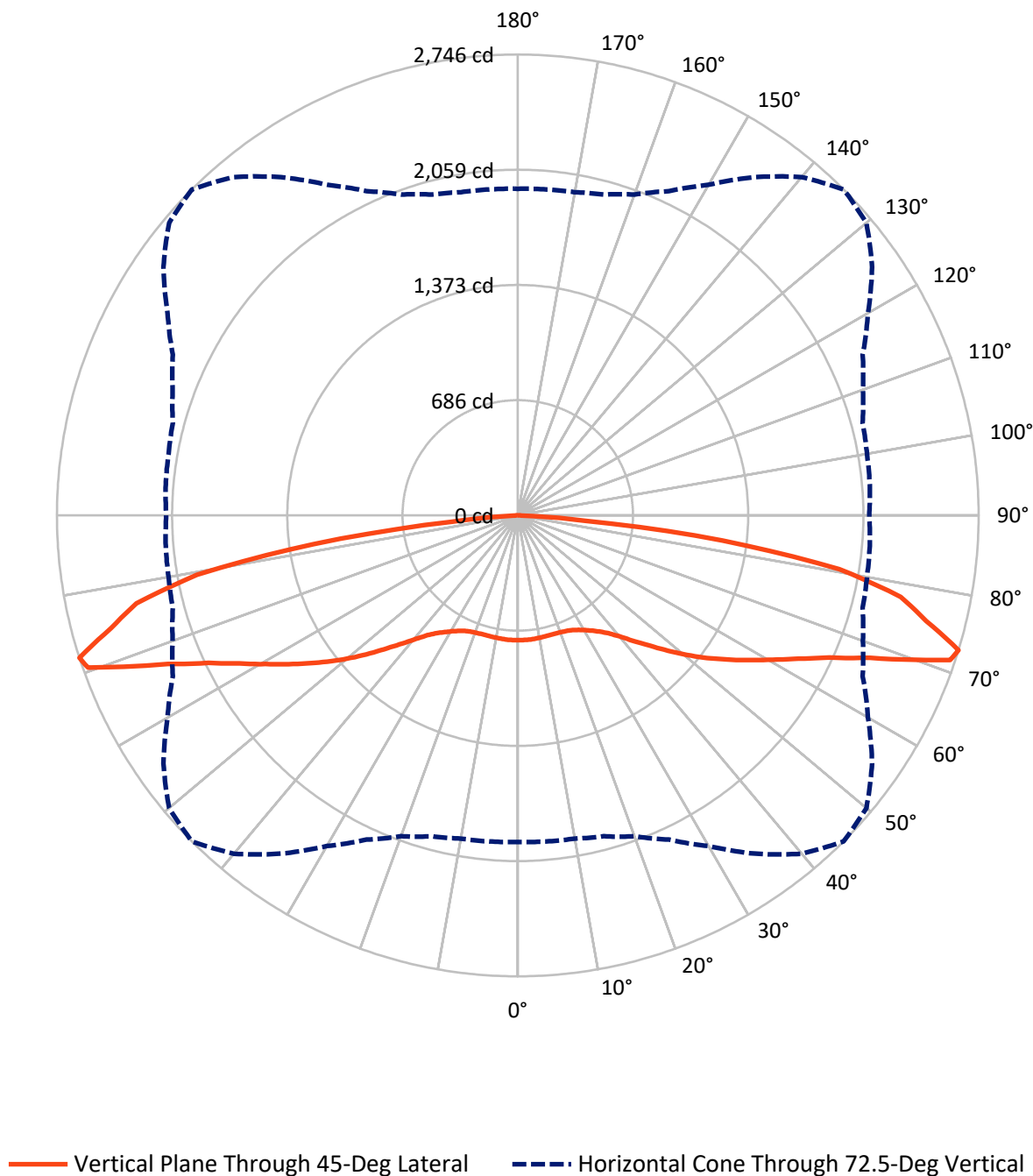


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3921.7	0.0	3921.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3921.7	0.0	3921.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	7843.4	0.0	7843.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	0.9
10°-20°	209.5	2.7
20°-30°	350.8	4.5
30°-40°	534.8	6.8
40°-50°	854.0	10.9
50°-60°	1313.1	16.7
60°-70°	1911.9	24.4
70°-80°	2153.7	27.5
80°-90°	444.6	5.7
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°	7843.4	100.0
0°-180°	7843.4	100.0

Coefficient of Utilization



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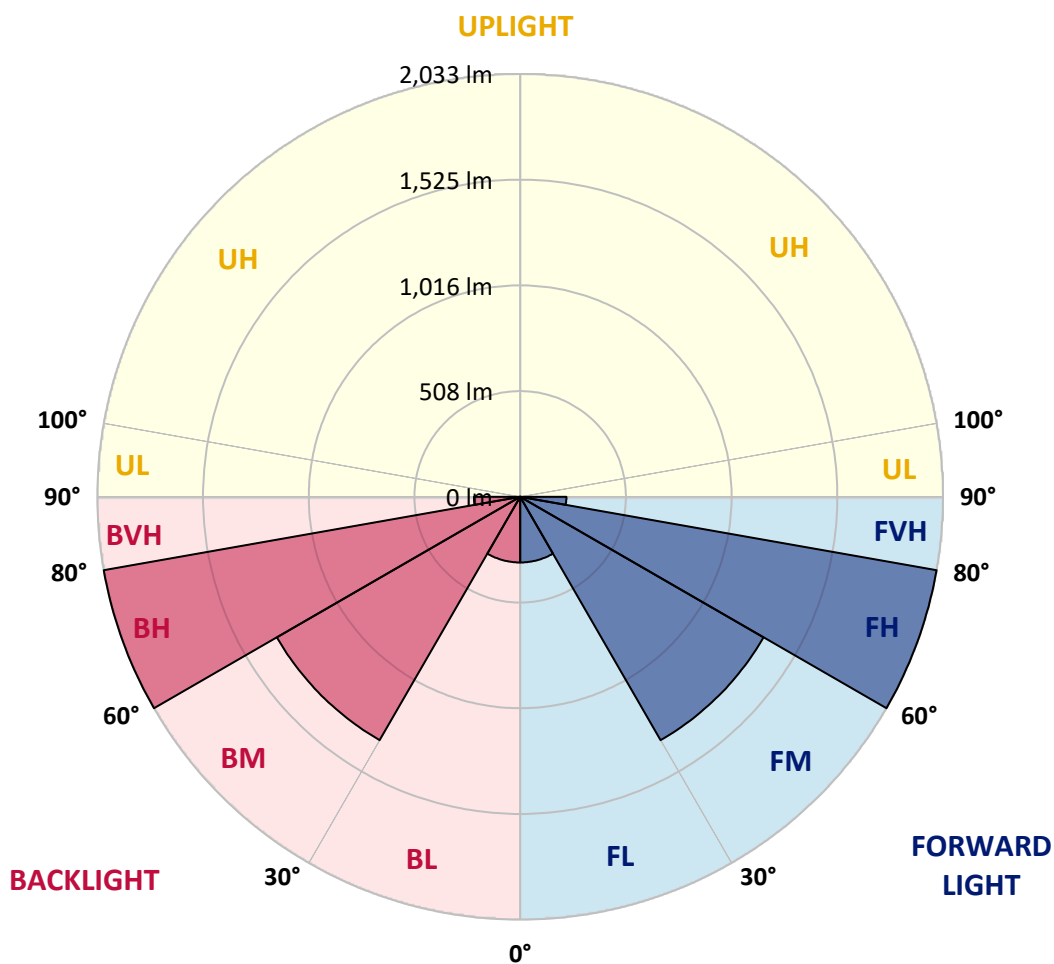
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	315.6	4.0			
FM	(30°-60°)	1351.0	17.2			
FH	(60°-80°)	2032.8	25.9			G2/5000
FVH	(80°-90°)	222.3	2.8			G2/225
BL	(0°-30°)	315.6	4.0	B1/500		
BM	(30°-60°)	1351.0	17.2	B2/2500		
BH	(60°-80°)	2032.8	25.9	B3/2500		G2/5000
BVH	(80°-90°)	222.3	2.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	743.1	743.1	743.1	743.1	743.1	743.1	743.1	743.1	743.1	743.1	743.1
2.5°	744.4	744.8	744.6	744.2	744.4	744.2	743.8	743.6	742.1	742.9	744.2
5°	744.4	744.0	743.8	743.6	743.6	744.2	743.6	743.0	742.7	743.2	742.6
7.5°	744.0	743.2	742.8	742.5	742.7	742.9	742.3	741.5	742.1	741.5	740.7
10°	742.8	742.1	742.3	741.5	741.7	741.5	740.7	740.1	740.5	739.8	738.8
12.5°	743.2	742.1	741.9	741.5	741.3	741.1	740.0	739.0	739.2	738.8	737.8
15°	743.2	742.5	742.3	741.5	741.3	740.9	739.6	739.2	739.2	738.6	737.4
17.5°	743.6	743.2	743.2	742.1	741.7	741.5	740.1	739.4	740.1	738.8	738.0
20°	744.8	744.3	744.6	744.0	743.1	743.1	742.1	741.7	741.9	741.7	739.4
22.5°	747.2	747.2	747.7	747.4	747.2	747.4	746.6	746.6	746.8	746.8	745.0
25°	754.2	754.0	754.4	754.4	754.7	756.1	755.4	755.3	756.3	756.3	754.4
27.5°	767.4	767.0	767.4	767.8	768.8	770.7	770.3	770.9	772.5	772.1	770.5
30°	782.6	782.2	783.2	784.4	785.3	788.2	786.9	790.0	791.4	792.7	791.4
32.5°	804.8	804.8	806.6	807.5	809.3	812.2	812.6	815.1	816.9	819.0	817.6
35°	834.4	834.0	835.4	836.8	839.1	841.8	842.8	846.1	849.0	850.4	847.7
37.5°	879.6	877.4	880.0	880.8	882.7	883.3	886.2	890.3	893.4	893.0	891.1
40°	940.8	940.4	939.4	938.2	941.0	942.1	942.1	947.6	952.6	951.8	951.5
42.5°	1012.4	1010.5	1009.3	1009.3	1010.9	1011.3	1017.7	1021.8	1025.3	1026.2	1025.3
45°	1089.2	1087.4	1087.8	1087.0	1087.6	1090.2	1094.0	1101.6	1108.2	1108.4	1104.8
47.5°	1171.8	1166.1	1170.6	1164.2	1168.2	1170.2	1179.4	1190.6	1202.0	1204.1	1201.0
50°	1255.7	1255.1	1254.7	1253.4	1255.3	1259.8	1271.1	1288.6	1299.7	1307.1	1302.1
52.5°	1347.4	1344.3	1342.8	1340.8	1342.6	1351.5	1367.3	1382.5	1402.4	1410.8	1404.1
55°	1436.6	1435.5	1430.2	1430.0	1433.8	1447.6	1464.9	1483.6	1505.2	1514.6	1512.2
57.5°	1528.2	1522.2	1520.6	1518.1	1526.0	1538.9	1560.1	1593.8	1616.2	1626.8	1620.7
60°	1617.8	1613.3	1609.8	1609.0	1614.3	1632.4	1662.8	1703.3	1731.1	1745.0	1735.2
62.5°	1714.0	1711.1	1707.0	1702.3	1713.6	1736.8	1774.6	1819.4	1860.3	1877.6	1862.6
65°	1833.6	1827.7	1823.1	1817.2	1826.4	1855.6	1903.0	1966.2	2021.0	2041.2	2030.5
67.5°	1959.8	1954.2	1954.7	1951.0	1967.4	2007.9	2069.1	2154.8	2228.4	2262.7	2242.6
70°	2070.0	2073.0	2073.8	2088.9	2117.2	2178.9	2280.8	2415.0	2526.6	2579.0	2557.4
71°	2037.5	2044.3	2054.8	2070.4	2119.3	2192.2	2331.4	2493.9	2627.1	2715.9	2686.1
72.5°	1945.4	1949.5	1954.8	1978.7	2034.0	2130.6	2273.8	2459.6	2630.8	2745.7	2711.2
75°	1812.2	1816.1	1818.0	1834.6	1885.0	1969.2	2100.4	2265.2	2416.2	2514.0	2504.4
77.5°	1611.2	1611.8	1626.2	1651.9	1708.4	1804.8	1942.9	2113.9	2256.0	2332.0	2283.7
80°	1157.0	1149.2	1164.0	1197.1	1267.0	1377.6	1519.0	1714.2	1871.8	1943.0	1868.1
82.5°	440.2	464.0	501.6	556.3	580.0	702.9	834.8	949.4	1082.2	1230.6	1193.4
85°	47.3	53.2	66.8	82.8	104.6	144.7	200.0	272.9	336.5	395.4	351.0
87.5°	17.7	18.1	20.2	23.2	23.7	24.6	26.3	30.6	28.6	24.6	19.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	743.1	743.1	743.1	743.1	743.1	743.1	743.1	743.1
2.5°	743.1	743.4	743.2	743.4	743.4	742.6	742.8	742.4
5°	742.9	742.3	742.6	742.8	742.6	743.0	742.4	742.8
7.5°	741.9	740.7	741.1	741.1	740.7	741.3	740.9	740.7
10°	739.8	738.2	739.0	738.6	738.4	738.6	738.6	738.6
12.5°	738.0	737.0	737.2	737.0	736.8	737.4	737.2	737.4
15°	737.6	736.0	735.8	735.3	735.6	735.9	736.0	736.6
17.5°	737.2	735.1	734.9	734.5	734.7	735.5	735.8	735.4
20°	738.4	736.8	736.4	736.0	735.7	736.8	736.6	736.6
22.5°	744.2	742.1	741.9	740.3	739.6	740.2	739.8	739.8
25°	753.4	751.0	750.1	747.9	746.2	746.2	745.6	745.2
27.5°	770.1	766.4	765.5	763.7	761.4	761.8	760.6	760.4
30°	789.4	786.1	783.2	780.5	777.9	776.8	775.4	775.2
32.5°	814.7	811.0	807.4	804.2	800.4	799.0	796.6	795.3
35°	845.7	840.8	836.6	834.4	830.7	828.8	827.2	829.0
37.5°	889.0	883.1	881.0	878.4	875.9	873.0	873.6	873.0
40°	949.0	943.7	941.7	936.9	936.3	933.0	935.1	933.0
42.5°	1023.3	1013.4	1012.0	1008.2	1007.0	1005.2	1006.0	1004.6
45°	1104.1	1095.2	1093.6	1087.6	1087.8	1083.5	1085.1	1085.2
47.5°	1194.9	1185.6	1178.0	1173.7	1172.0	1169.4	1170.8	1170.6
50°	1288.6	1276.0	1267.6	1259.2	1255.5	1256.5	1253.6	1258.6
52.5°	1389.2	1370.6	1358.6	1350.6	1343.7	1345.1	1345.5	1347.0
55°	1493.5	1469.6	1452.4	1441.9	1435.5	1435.9	1437.8	1439.4
57.5°	1598.3	1568.5	1545.1	1529.5	1525.3	1527.2	1527.2	1527.0
60°	1707.0	1671.2	1641.0	1623.4	1619.6	1618.6	1626.6	1624.0
62.5°	1823.7	1780.8	1749.5	1727.0	1721.6	1725.3	1732.5	1730.8
65°	1978.5	1919.1	1878.8	1856.4	1847.4	1851.1	1860.7	1860.3
67.5°	2178.0	2095.0	2041.8	2013.0	2006.4	2011.0	2016.3	2021.4
70°	2476.4	2357.9	2281.8	2219.6	2192.8	2187.8	2193.0	2193.2
71°	2581.5	2445.2	2324.2	2248.2	2204.4	2185.8	2187.3	2178.0
72.5°	2577.2	2409.2	2267.6	2188.1	2127.3	2112.5	2105.3	2094.2
75°	2403.5	2252.2	2129.3	2042.6	1984.0	1966.6	1953.8	1953.2
77.5°	2179.7	2068.1	1932.7	1840.8	1769.5	1740.5	1727.6	1727.2
80°	1752.2	1585.1	1486.1	1430.8	1344.7	1319.8	1293.5	1283.6
82.5°	1059.6	828.0	673.3	598.2	556.8	458.5	411.4	389.2
85°	246.8	175.3	120.8	79.3	57.1	45.4	34.9	30.8
87.5°	16.6	13.1	11.7	9.4	7.2	7.0	4.3	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)