

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: McGRAW-EDISON

Report Number: P543174

Luminaire Tested: **TT-D8-750-U-T4-PM**

Issue Date: 6/22/2021

Test Information

Test Method: LM-79-08
Report Number: P543174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-277-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-D8-750-U-T4-PM
Description: TOPTIER LED SITE LUMINAIRE
5000K, 70 CRI LEDS AND DRIVE LANE DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16195 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

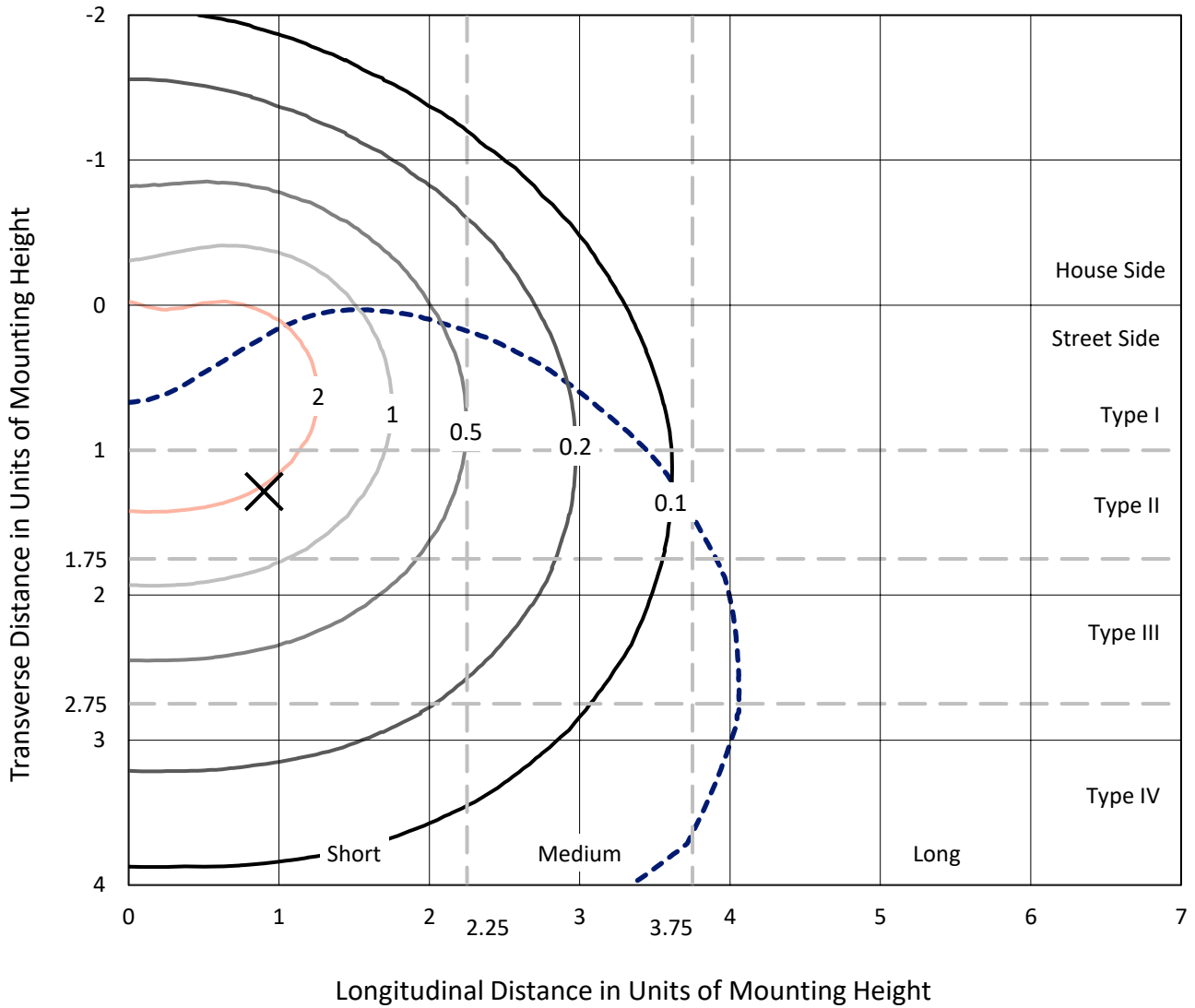
Input Watts (W): 152.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

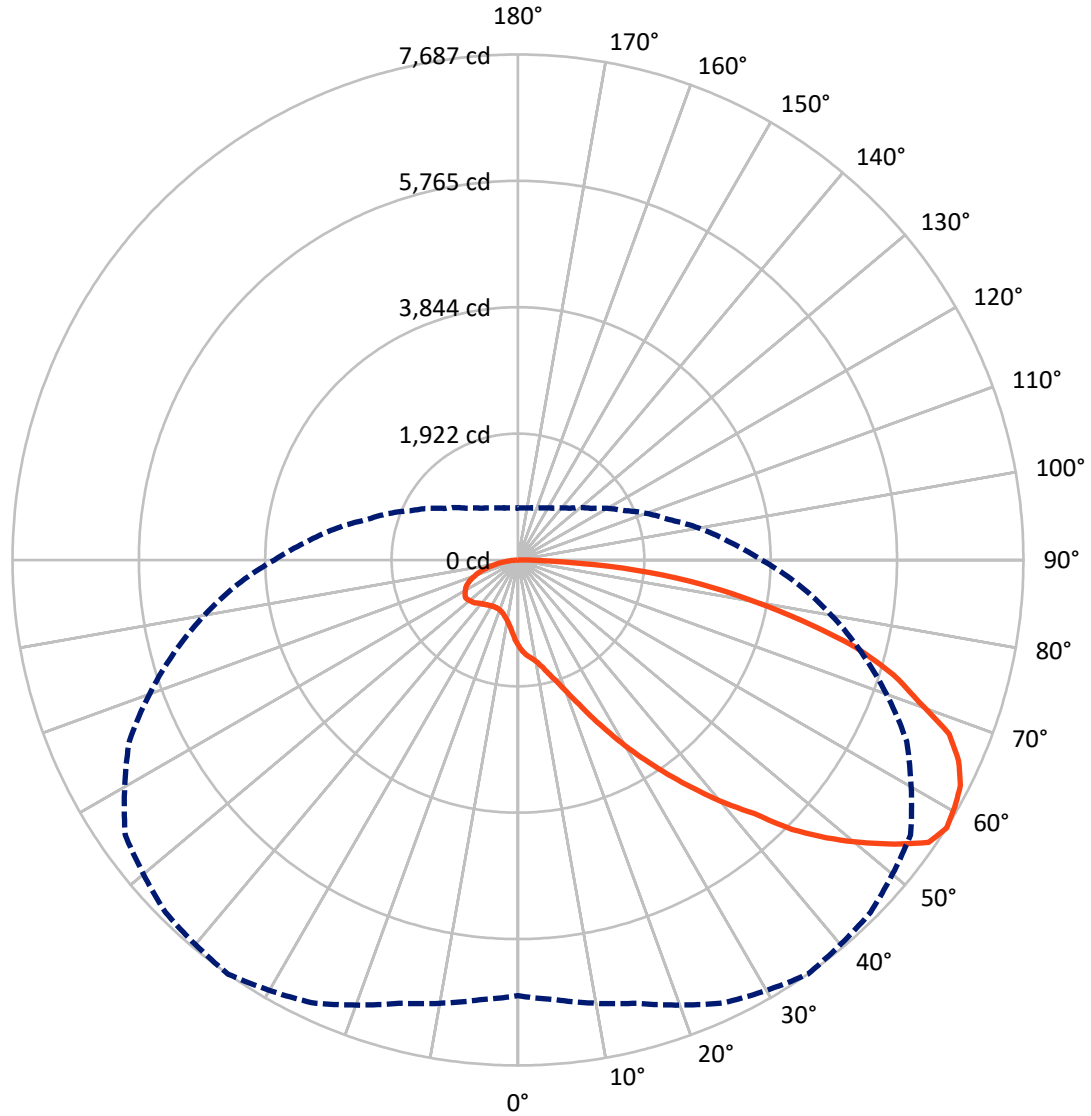
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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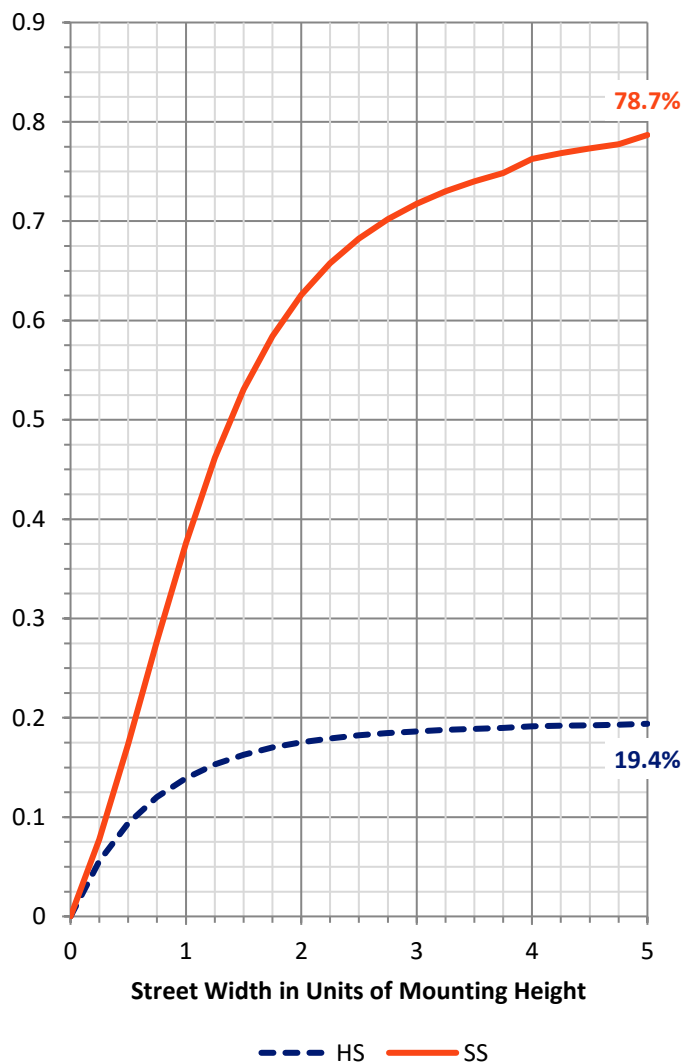
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3171.3	0.0	3171.3
	% Fixture	19.6	0.0	19.6
Street Side	Lumens	13023.6	0.0	13023.6
	% Fixture	80.4	0.0	80.4
Total	Lumens	16195.0	0.0	16195.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	0.7
10°-20°	382.1	2.4
20°-30°	807.9	5.0
30°-40°	1513.8	9.3
40°-50°	2519.6	15.6
50°-60°	3556.1	22.0
60°-70°	3741.3	23.1
70°-80°	2740.8	16.9
80°-90°	812.1	5.0
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°	16195.0	100.0
0°-180°	16195.0	100.0

Coefficient of Utilization



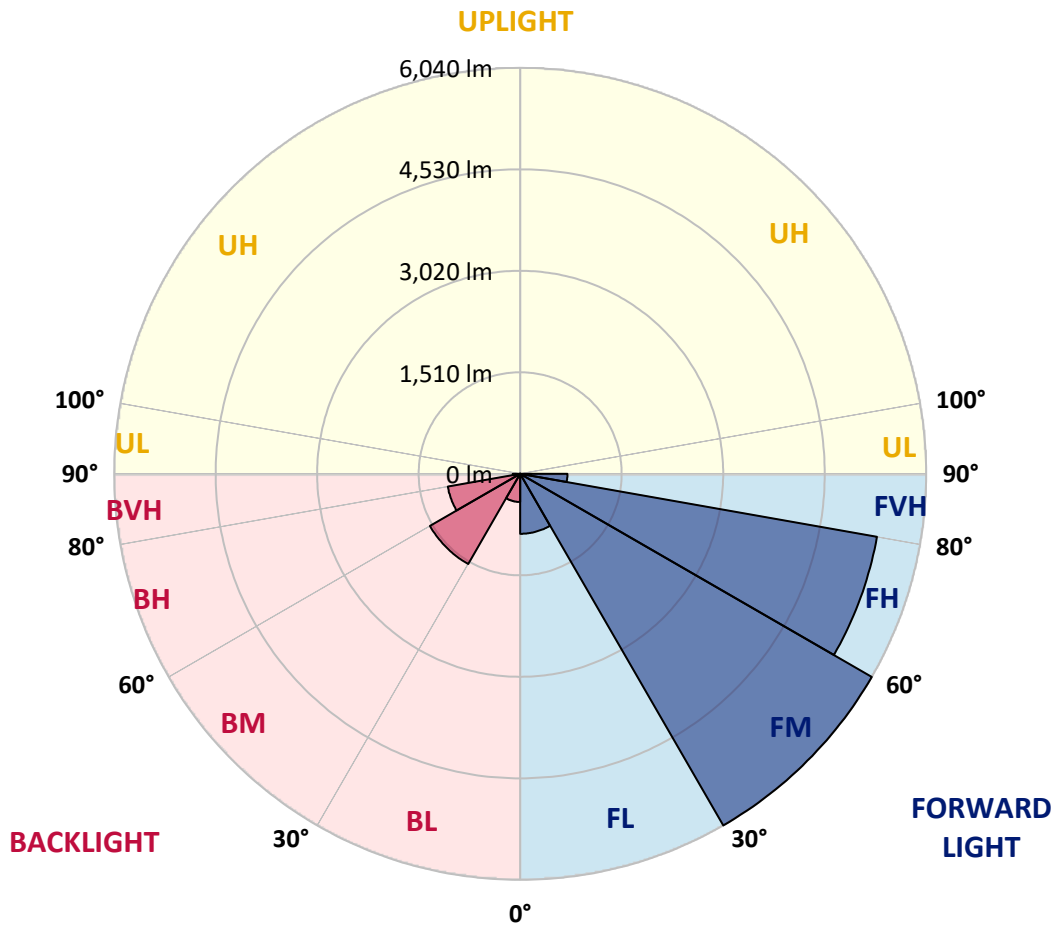
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	892.2	5.5			
FM (30°-60°)	6039.8	37.3			
FH (60°-80°)	5389.0	33.3			G3/7500
FVH (80°-90°)	702.6	4.3			G4/750
BL (0°-30°)	419.0	2.6	B1/500		
BM (30°-60°)	1549.7	9.6	B2/2500		
BH (60°-80°)	1093.1	6.7	B3/2500		G3/2500
BVH (80°-90°)	109.5	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0
2.5°	1423.0	1416.0	1410.0	1400.0	1393.0	1391.0	1378.0	1362.0	1340.0	1321.0	1311.0
5°	1498.0	1497.0	1494.0	1482.0	1460.0	1429.0	1400.0	1367.0	1331.0	1295.0	1278.0
7.5°	1569.0	1562.0	1558.0	1541.0	1509.0	1475.0	1431.0	1382.0	1330.0	1279.0	1253.0
10°	1658.0	1648.0	1641.0	1608.0	1575.0	1527.0	1469.0	1406.0	1344.0	1280.0	1249.0
12.5°	1772.0	1764.0	1735.0	1719.0	1677.0	1622.0	1549.0	1473.0	1393.0	1311.0	1271.0
15°	1894.0	1896.0	1885.0	1844.0	1810.0	1744.0	1666.0	1571.0	1463.0	1364.0	1314.0
17.5°	2057.0	2054.0	2033.0	2006.0	1954.0	1887.0	1791.0	1690.0	1564.0	1434.0	1377.0
20°	2249.0	2239.0	2220.0	2183.0	2152.0	2073.0	1964.0	1838.0	1688.0	1534.0	1457.0
22.5°	2493.0	2471.0	2459.0	2426.0	2388.0	2314.0	2198.0	2031.0	1855.0	1664.0	1565.0
25°	2732.0	2744.0	2738.0	2719.0	2671.0	2580.0	2457.0	2273.0	2032.0	1809.0	1697.0
27.5°	3032.0	3037.0	3039.0	3031.0	2984.0	2901.0	2776.0	2533.0	2264.0	1987.0	1839.0
30°	3344.1	3333.1	3347.1	3351.1	3328.1	3232.1	3079.0	2813.0	2491.0	2160.0	1994.0
32.5°	3654.1	3666.1	3695.1	3677.1	3681.1	3572.1	3405.1	3092.0	2733.0	2343.0	2168.0
35°	3988.1	4004.1	4024.1	4058.1	4056.1	3969.1	3728.1	3414.1	2995.0	2554.0	2327.0
37.5°	4330.1	4326.1	4356.1	4434.1	4449.1	4366.1	4114.1	3752.1	3270.1	2767.0	2514.0
40°	4654.1	4691.1	4749.1	4802.1	4866.1	4748.1	4503.1	4093.1	3569.1	2988.0	2690.0
42.5°	5032.1	5047.1	5133.1	5252.1	5269.1	5178.1	4911.1	4486.1	3866.1	3198.1	2882.0
45°	5433.1	5453.1	5534.1	5706.1	5845.1	5786.1	5424.1	4919.1	4234.1	3484.1	3094.0
47.5°	5779.1	5838.1	5968.1	6167.1	6315.1	6284.1	5937.1	5344.1	4586.1	3724.1	3299.1
50°	6087.1	6158.1	6335.1	6622.1	6754.1	6713.1	6375.1	5764.1	4843.1	3932.1	3448.1
52.5°	6399.1	6498.1	6660.1	6974.1	7180.1	7196.1	6819.1	6085.1	5141.1	4150.1	3611.1
55°	6568.1	6640.1	6911.1	7292.1	7583.1	7591.1	7165.1	6386.1	5347.1	4246.1	3688.1
57.5°	6627.1	6714.1	6978.1	7429.1	7687.1	7580.1	7290.1	6522.1	5405.1	4281.1	3704.1
60°	6545.1	6632.1	6933.1	7414.1	7632.1	7684.1	7235.1	6521.1	5376.1	4236.1	3655.1
62.5°	6428.1	6539.1	6831.1	7300.1	7552.1	7581.1	7164.1	6447.1	5333.1	4159.1	3583.1
65°	6131.1	6198.1	6625.1	6975.1	7364.1	7329.1	7001.1	6189.1	5181.1	3960.1	3407.1
67.5°	5835.1	5905.1	6219.1	6699.1	7076.1	7038.1	6715.1	5939.1	4889.1	3775.1	3223.1
70°	5336.1	5381.1	5814.1	6187.1	6469.1	6609.1	6192.1	5522.1	4583.1	3465.1	2943.0
72.5°	4808.1	4879.1	5189.1	5657.1	5976.1	5931.1	5722.1	5009.1	4084.1	3105.0	2653.0
75°	4133.1	4201.1	4544.1	4996.1	5306.1	5270.1	5032.1	4399.1	3630.1	2687.0	2297.0
77.5°	3495.1	3474.1	3777.1	4120.1	4402.1	4485.1	4217.1	3720.1	2994.0	2208.0	1870.0
80°	2685.0	2765.0	2955.0	3274.1	3487.1	3534.1	3327.1	2944.0	2392.0	1728.0	1434.0
82.5°	1891.0	1933.0	2165.0	2366.0	2633.0	2616.0	2473.0	2138.0	1737.0	1213.0	988.0
85°	1032.0	1041.0	1251.0	1392.0	1598.0	1623.0	1522.0	1293.0	994.0	690.0	509.0
87.5°	181.0	178.0	258.0	378.0	480.0	516.0	429.0	336.0	136.0	81.0	42.0
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0	1307.0
2.5°	1300.0	1280.0	1261.0	1243.0	1226.0	1212.0	1206.0	1201.0	1200.0	1191.0
5°	1257.0	1225.0	1190.0	1158.0	1129.0	1098.0	1073.0	1065.0	1064.0	1069.0
7.5°	1229.0	1180.0	1132.0	1094.0	1051.0	1010.0	973.0	950.0	944.0	942.0
10°	1219.0	1159.0	1101.0	1043.0	995.0	945.0	900.0	872.0	856.0	852.0
12.5°	1232.0	1156.0	1084.0	1016.0	951.0	896.0	845.0	810.0	792.0	786.0
15°	1267.0	1169.0	1078.0	996.0	925.0	856.0	806.0	761.0	740.0	737.0
17.5°	1313.0	1198.0	1082.0	986.0	902.0	829.0	771.0	724.0	698.0	694.0
20°	1379.0	1235.0	1101.0	987.0	892.0	810.0	745.0	695.0	667.0	664.0
22.5°	1472.0	1294.0	1132.0	1000.0	892.0	799.0	729.0	677.0	648.0	645.0
25°	1578.0	1362.0	1174.0	1018.0	895.0	797.0	720.0	665.0	636.0	633.0
27.5°	1700.0	1445.0	1219.0	1041.0	906.0	799.0	717.0	662.0	634.0	630.0
30°	1837.0	1527.0	1268.0	1066.0	920.0	803.0	718.0	661.0	634.0	630.0
32.5°	1974.0	1617.0	1323.0	1099.0	936.0	814.0	724.0	668.0	640.0	637.0
35°	2118.0	1716.0	1384.0	1133.0	959.0	829.0	734.0	676.0	648.0	645.0
37.5°	2267.0	1816.0	1447.0	1175.0	983.0	844.0	748.0	690.0	663.0	660.0
40°	2422.0	1919.0	1514.0	1218.0	1006.0	864.0	765.0	708.0	680.0	677.0
42.5°	2556.0	2012.0	1576.0	1255.0	1036.0	883.0	787.0	727.0	701.0	698.0
45°	2745.0	2118.0	1640.0	1301.0	1072.0	917.0	813.0	757.0	733.0	727.0
47.5°	2903.0	2226.0	1705.0	1345.0	1102.0	940.0	838.0	781.0	756.0	752.0
50°	3032.0	2294.0	1756.0	1368.0	1118.0	955.0	858.0	800.0	778.0	771.0
52.5°	3168.1	2371.0	1783.0	1395.0	1144.0	976.0	872.0	822.0	798.0	791.0
55°	3212.1	2375.0	1803.0	1400.0	1140.0	981.0	881.0	823.0	804.0	797.0
57.5°	3215.1	2374.0	1776.0	1366.0	1112.0	959.0	872.0	817.0	795.0	789.0
60°	3159.0	2315.0	1722.0	1325.0	1082.0	928.0	847.0	794.0	777.0	771.0
62.5°	3089.0	2261.0	1655.0	1269.0	1039.0	897.0	818.0	777.0	754.0	747.0
65°	2912.0	2119.0	1553.0	1193.0	977.0	850.0	772.0	732.0	714.0	709.0
67.5°	2755.0	1967.0	1451.0	1114.0	907.0	792.0	721.0	686.0	672.0	669.0
70°	2500.0	1802.0	1293.0	991.0	817.0	706.0	653.0	627.0	610.0	604.0
72.5°	2241.0	1582.0	1140.0	873.0	708.0	635.0	582.0	554.0	545.0	540.0
75°	1903.0	1330.0	961.0	740.0	608.0	531.0	494.0	473.0	462.0	461.0
77.5°	1557.0	1065.0	774.0	586.0	481.0	428.0	402.0	382.0	380.0	384.0
80°	1193.0	804.0	575.0	439.0	356.0	323.0	309.0	296.0	294.0	291.0
82.5°	793.0	533.0	364.0	278.0	239.0	220.0	216.0	207.0	205.0	203.0
85°	387.0	256.0	176.0	138.0	127.0	118.0	117.0	121.0	120.0	117.0
87.5°	40.0	33.0	32.0	25.0	23.0	21.0	21.0	19.0	23.0	17.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)