

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: P675045

Luminaire Tested: **CCW-SA-1B-840-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675045
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-840-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T3 distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

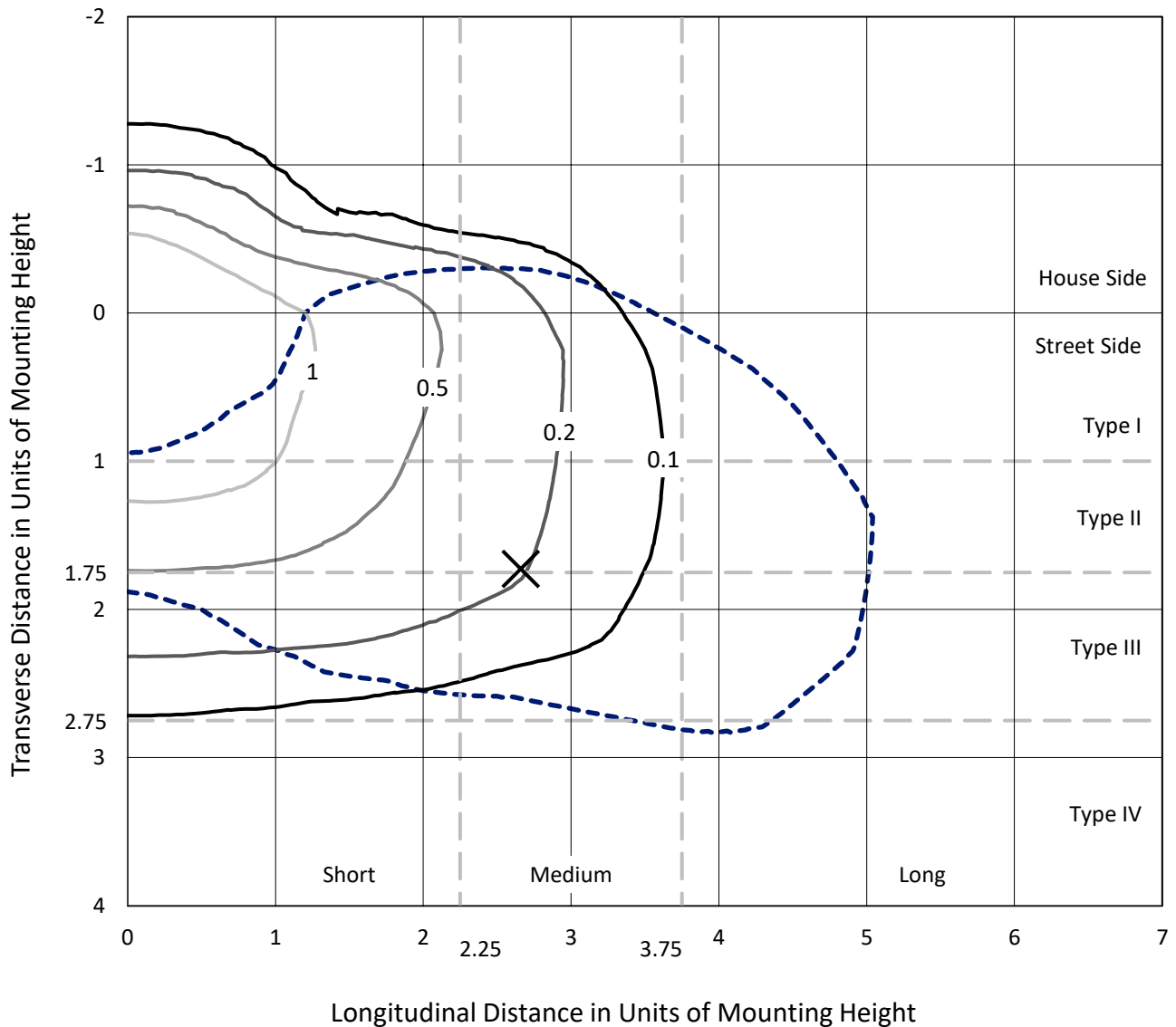
Lumens per Lamp: N/A
Luminaire Lumens: 2975.1 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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: P675045
 CATALOG NUMBER: CCW-SA-1B-840-U-T3

Iso-Footcandle Lines of Horizontal Illumination

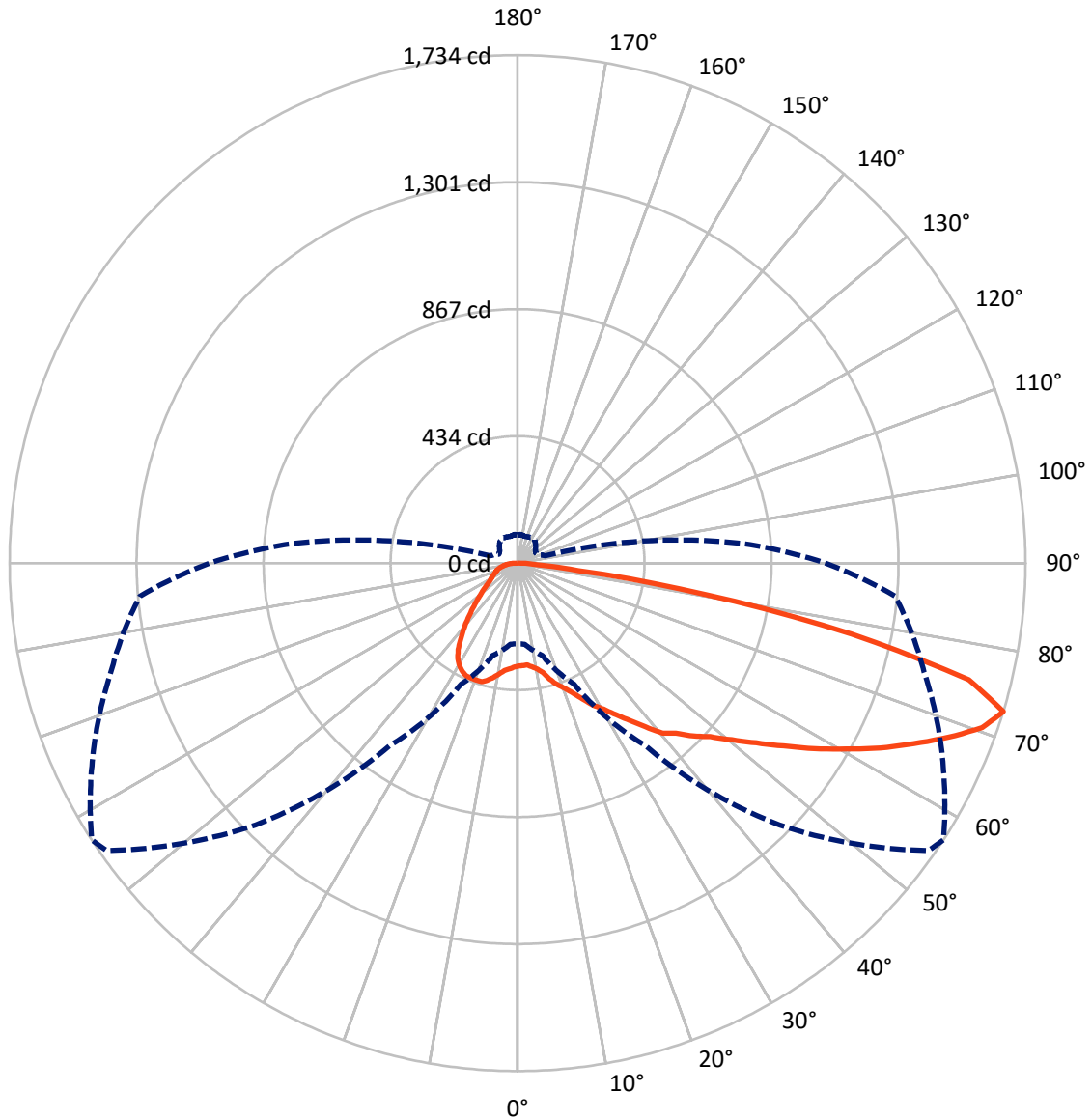
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P675045
CATALOG NUMBER: CCW-SA-1B-840-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P675045
 CATALOG NUMBER: CCW-SA-1B-840-U-T3

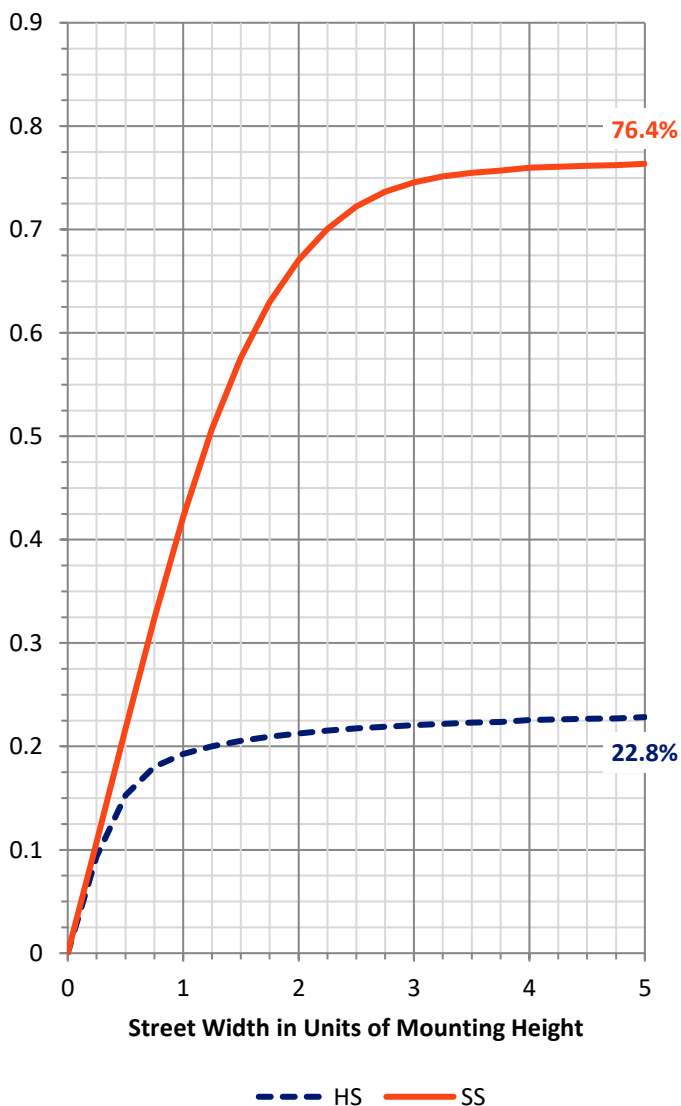
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	694.8	0.0	694.8
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	2280.3	0.0	2280.3
	% Fixture	76.6	0.0	76.6
Total	Lumens	2975.1	0.0	2975.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	1.2
10°-20°	117.5	3.9
20°-30°	214.8	7.2
30°-40°	315.1	10.6
40°-50°	433.8	14.6
50°-60°	594.9	20.0
60°-70°	717.1	24.1
70°-80°	477.7	16.1
80°-90°	69.6	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°	2975.1	100.0
0°-180°	2975.1	100.0



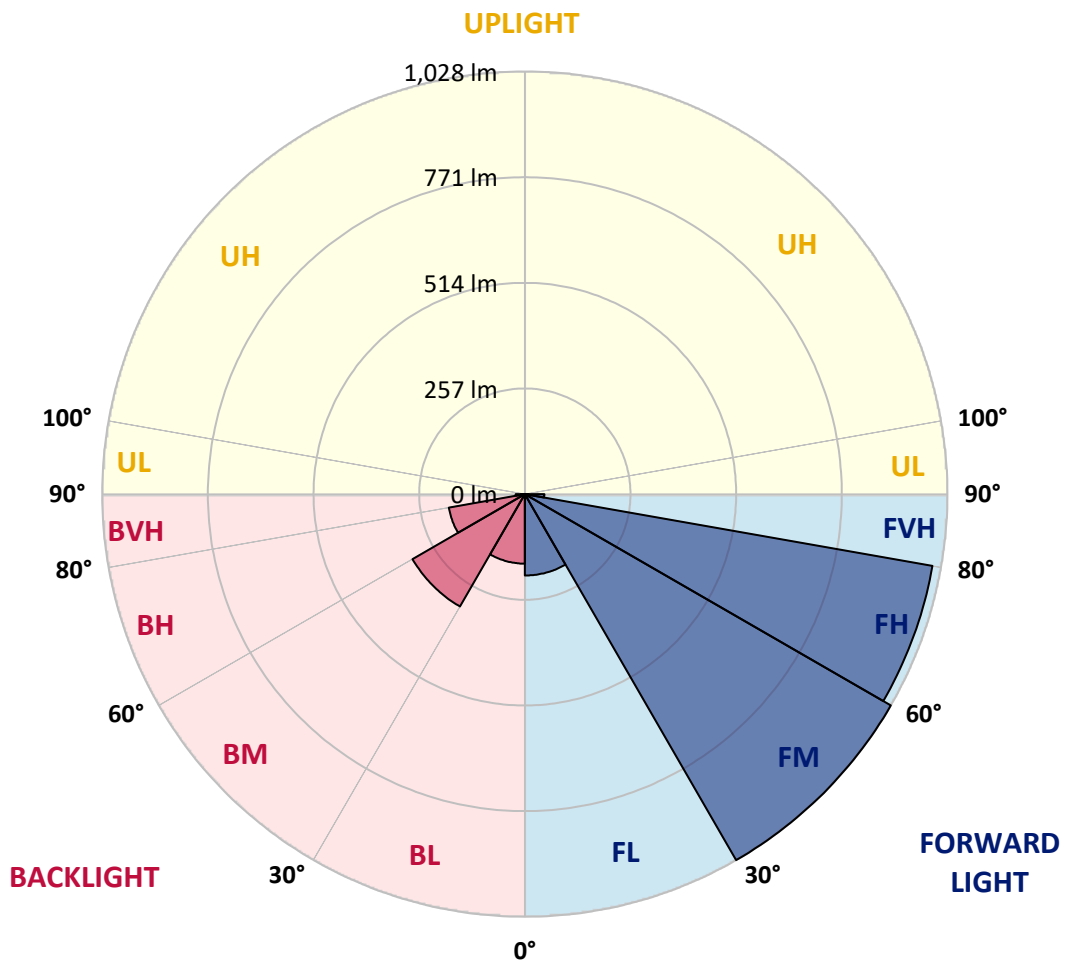
REPORT NUMBER: P675045
 CATALOG NUMBER: CCW-SA-1B-840-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.9	6.7			
FM (30°-60°)	1028.1	34.6			
FH (60°-80°)	1006.9	33.8			G1/1800
FVH (80°-90°)	47.4	1.6			G1/100
BL (0°-30°)	169.2	5.7	B1/500		
BM (30°-60°)	315.6	10.6	B1/1000		
BH (60°-80°)	187.9	6.3	B1/500		G1/500
BVH (80°-90°)	22.2	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-G1

Type III Medium





REPORT NUMBER: P675045
 CATALOG NUMBER: CCW-SA-1B-840-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	351.2	351.2	351.2	351.2	351.2	351.2	351.2	351.2	351.2	351.2	351.2
2.5°	344.7	345.7	347.9	346.8	346.8	343.6	349.0	350.1	347.9	349.0	351.2
5°	344.7	346.8	350.1	347.9	349.0	347.9	345.7	349.0	349.0	350.1	353.3
7.5°	363.1	362.0	362.0	358.7	357.7	356.6	357.7	357.7	355.5	356.6	356.6
10°	383.7	383.7	381.5	381.5	379.3	373.9	368.5	367.4	364.2	365.2	365.2
12.5°	405.4	407.5	409.7	403.2	401.0	392.3	389.1	382.6	382.6	380.4	379.3
15°	432.4	429.2	431.4	429.2	423.8	415.1	409.7	410.8	403.2	401.0	397.8
17.5°	456.3	457.4	454.1	452.0	442.2	435.7	436.8	435.7	425.9	422.7	417.3
20°	484.5	483.4	483.4	476.9	468.2	459.5	456.3	455.2	457.4	450.9	437.9
22.5°	513.7	509.4	509.4	504.0	492.1	486.6	484.5	480.1	482.3	476.9	457.4
25°	537.6	537.6	545.2	534.3	527.8	517.0	512.6	513.7	514.8	504.0	481.2
27.5°	569.0	563.6	571.2	565.8	562.5	550.6	545.2	548.4	546.2	534.3	502.9
30°	609.1	610.2	605.9	598.3	593.9	585.3	582.0	578.8	582.0	566.8	526.7
32.5°	659.0	662.2	651.4	642.7	635.1	626.5	619.9	616.7	619.9	597.2	545.2
35°	716.4	719.7	711.0	701.2	692.6	670.9	665.5	660.0	648.1	611.3	562.5
37.5°	769.5	765.2	763.0	763.0	746.8	715.3	712.1	708.8	686.1	639.5	586.3
40°	805.3	810.7	808.5	806.4	804.2	774.9	768.4	763.0	725.1	681.7	619.9
42.5°	845.4	842.1	850.8	854.1	846.5	837.8	811.8	793.4	759.8	725.1	669.8
45°	893.1	890.9	894.2	906.1	895.2	898.5	855.1	842.1	799.9	779.3	732.7
47.5°	935.3	940.8	957.0	960.3	951.6	966.8	906.1	885.5	858.4	842.1	797.7
50°	953.8	960.3	997.1	1019.9	1021.0	1044.8	957.0	948.3	911.5	918.0	879.0
52.5°	938.6	959.2	1003.6	1063.2	1100.1	1123.9	1024.2	1019.9	986.3	1006.9	967.9
55°	952.7	972.2	1001.5	1084.9	1178.1	1183.5	1117.4	1101.2	1067.6	1095.7	1060.0
57.5°	959.2	948.3	1003.6	1108.8	1235.6	1249.6	1206.3	1194.4	1168.4	1195.5	1174.9
60°	908.2	921.3	973.3	1102.2	1238.8	1320.1	1306.0	1288.7	1264.8	1289.8	1277.8
62.5°	850.8	859.5	915.8	1063.2	1257.2	1371.0	1402.5	1389.5	1355.9	1377.5	1398.1
65°	778.2	779.3	842.1	993.9	1221.5	1400.3	1487.0	1485.9	1462.1	1456.7	1489.2
67.5°	689.3	698.0	747.8	920.2	1172.7	1432.8	1570.5	1586.7	1539.0	1496.8	1508.7
70°	528.9	537.6	585.3	754.3	1073.0	1423.1	1673.4	1682.1	1588.9	1481.6	1451.2
72.5°	275.3	277.5	326.2	455.2	760.8	1263.7	1711.4	1734.1	1601.9	1437.2	1294.1
75°	91.0	91.0	111.6	173.4	358.7	808.5	1549.9	1591.1	1537.9	1326.6	1058.9
77.5°	54.2	55.3	66.1	86.7	143.1	323.0	1092.5	1165.1	1258.3	1128.3	773.9
80°	39.0	40.1	49.9	59.6	85.6	104.0	548.4	649.2	772.8	726.2	412.9
82.5°	29.3	29.3	39.0	44.4	58.5	61.8	152.8	209.2	333.8	260.1	113.8
85°	30.3	30.3	30.3	31.4	40.1	35.8	63.9	68.3	97.5	85.6	31.4
87.5°	10.8	11.9	30.3	20.6	20.6	15.2	24.9	27.1	34.7	35.8	11.9
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: P675045
 CATALOG NUMBER: CCW-SA-1B-840-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	351.2	351.2	351.2	351.2	351.2	351.2	351.2	351.2	351.2	351.2	351.2
2.5°	352.2	352.2	353.3	353.3	355.5	357.7	360.9	358.7	358.7	359.8	358.7
5°	351.2	352.2	355.5	360.9	363.1	364.2	370.7	370.7	370.7	372.8	372.8
7.5°	355.5	357.7	363.1	368.5	369.6	372.8	381.5	383.7	389.1	391.3	392.3
10°	366.3	369.6	373.9	380.4	384.8	389.1	395.6	403.2	402.1	408.6	409.7
12.5°	382.6	381.5	389.1	395.6	399.9	406.4	408.6	408.6	408.6	408.6	410.8
15°	395.6	397.8	404.3	408.6	414.0	412.9	408.6	404.3	405.4	404.3	404.3
17.5°	415.1	415.1	420.5	421.6	423.8	412.9	406.4	406.4	409.7	409.7	407.5
20°	434.6	433.5	435.7	434.6	420.5	407.5	406.4	407.5	408.6	407.5	406.4
22.5°	453.0	450.9	447.6	443.3	418.4	406.4	404.3	398.8	393.4	393.4	390.2
25°	469.3	467.1	458.5	445.5	417.3	399.9	389.1	376.1	369.6	366.3	370.7
27.5°	484.5	480.1	468.2	445.5	407.5	382.6	362.0	345.7	340.3	336.0	340.3
30°	505.1	497.5	481.2	442.2	392.3	355.5	327.3	307.8	302.4	295.9	298.1
32.5°	523.5	506.1	492.1	432.4	372.8	325.1	292.6	273.1	263.4	258.0	262.3
35°	543.0	525.7	496.4	417.3	342.5	288.3	255.8	237.4	229.8	222.2	222.2
37.5°	562.5	552.8	502.9	389.1	305.6	253.6	224.4	210.3	197.3	183.2	183.2
40°	603.7	590.7	510.5	356.6	268.8	220.0	199.4	181.0	168.0	148.5	147.4
42.5°	647.0	618.9	510.5	317.6	236.3	196.2	176.7	157.2	133.3	121.4	122.5
45°	702.3	669.8	496.4	282.9	203.8	176.7	155.0	130.1	119.2	111.6	111.6
47.5°	771.7	720.7	479.1	244.9	177.7	159.3	132.2	117.1	109.5	103.0	101.9
50°	854.1	767.3	457.4	212.4	156.1	143.1	120.3	108.4	101.9	97.5	97.5
52.5°	940.8	835.6	442.2	183.2	138.7	121.4	111.6	104.0	98.6	95.4	94.3
55°	1028.5	903.9	431.4	151.7	122.5	111.6	109.5	103.0	100.8	97.5	95.4
57.5°	1127.2	960.3	429.2	130.1	109.5	107.3	111.6	106.2	103.0	99.7	96.5
60°	1233.4	1036.1	409.7	112.7	103.0	105.1	108.4	103.0	100.8	97.5	95.4
62.5°	1338.5	1092.5	356.6	99.7	96.5	98.6	103.0	98.6	95.4	96.5	97.5
65°	1381.9	1096.8	276.4	90.0	88.9	90.0	96.5	95.4	92.1	98.6	98.6
67.5°	1338.5	1057.8	195.1	81.3	81.3	86.7	97.5	99.7	96.5	105.1	104.0
70°	1239.9	961.4	132.2	75.9	78.0	92.1	100.8	98.6	94.3	105.1	103.0
72.5°	1052.4	769.5	96.5	70.4	73.7	87.8	99.7	97.5	94.3	98.6	94.3
75°	790.1	547.3	75.9	63.9	65.0	79.1	103.0	97.5	88.9	86.7	83.5
77.5°	527.8	338.2	58.5	56.4	56.4	69.4	98.6	91.0	80.2	77.0	75.9
80°	251.4	135.5	46.6	47.7	48.8	59.6	90.0	81.3	72.6	68.3	68.3
82.5°	80.2	50.9	39.0	39.0	39.0	48.8	74.8	68.3	62.9	59.6	54.2
85°	28.2	28.2	33.6	34.7	31.4	35.8	61.8	58.5	52.0	43.4	42.3
87.5°	10.8	16.3	22.8	27.1	19.5	24.9	44.4	41.2	37.9	28.2	27.1
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)