

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: STREETWORKS

Report Number: P565379

Luminaire Tested: **IFLD-L-SA7A-AMB-U-T3-HSS**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565379
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-AMB-U-T3-HSS
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square
Luminaire w/ T3 distribution lens and House Side Shield
Light Source: (112) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

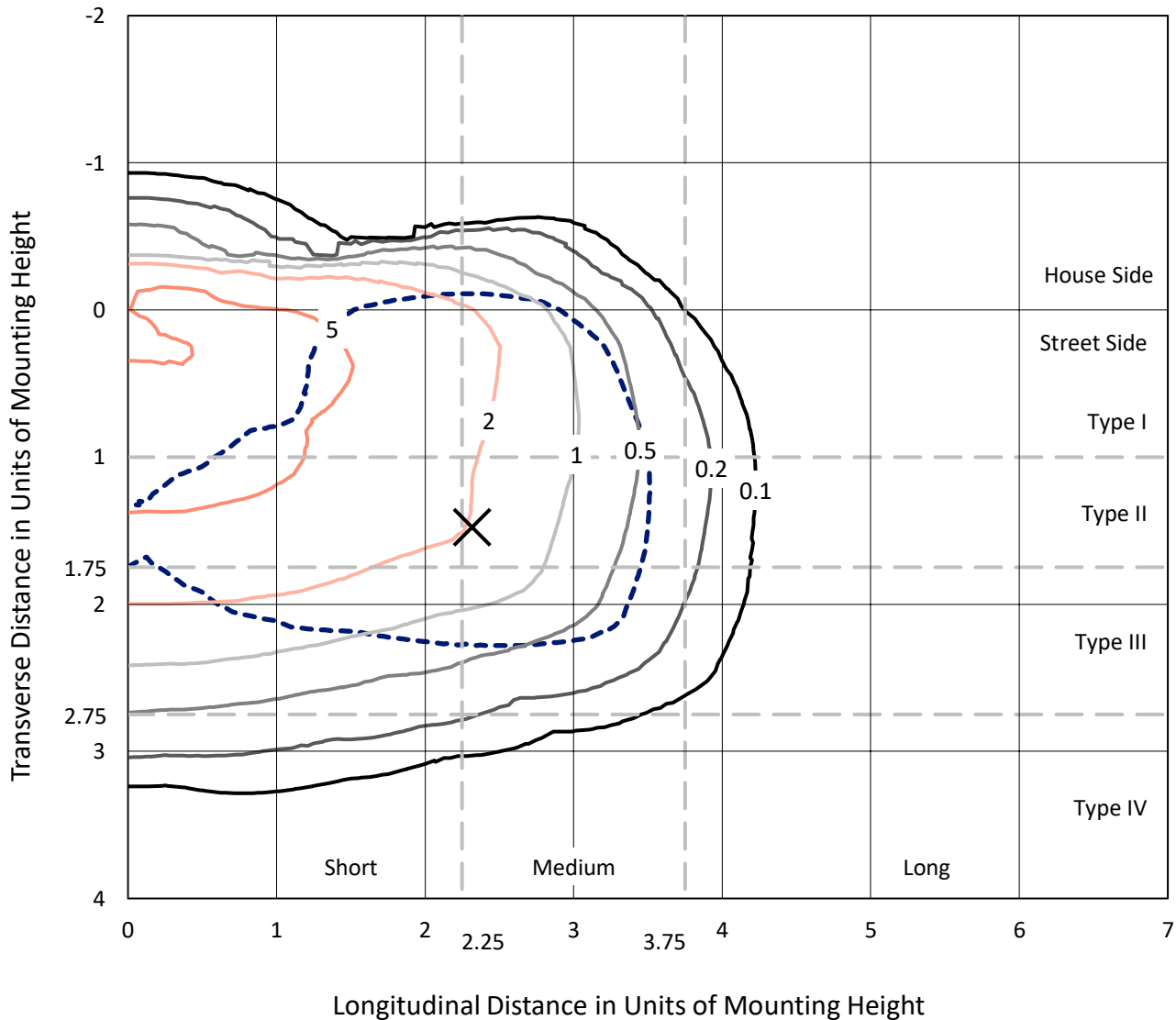
Lumens per Lamp: N/A
Luminaire Lumens: 5520.7 lumens
Efficiency: N/A
Efficacy: 39.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 140.5
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

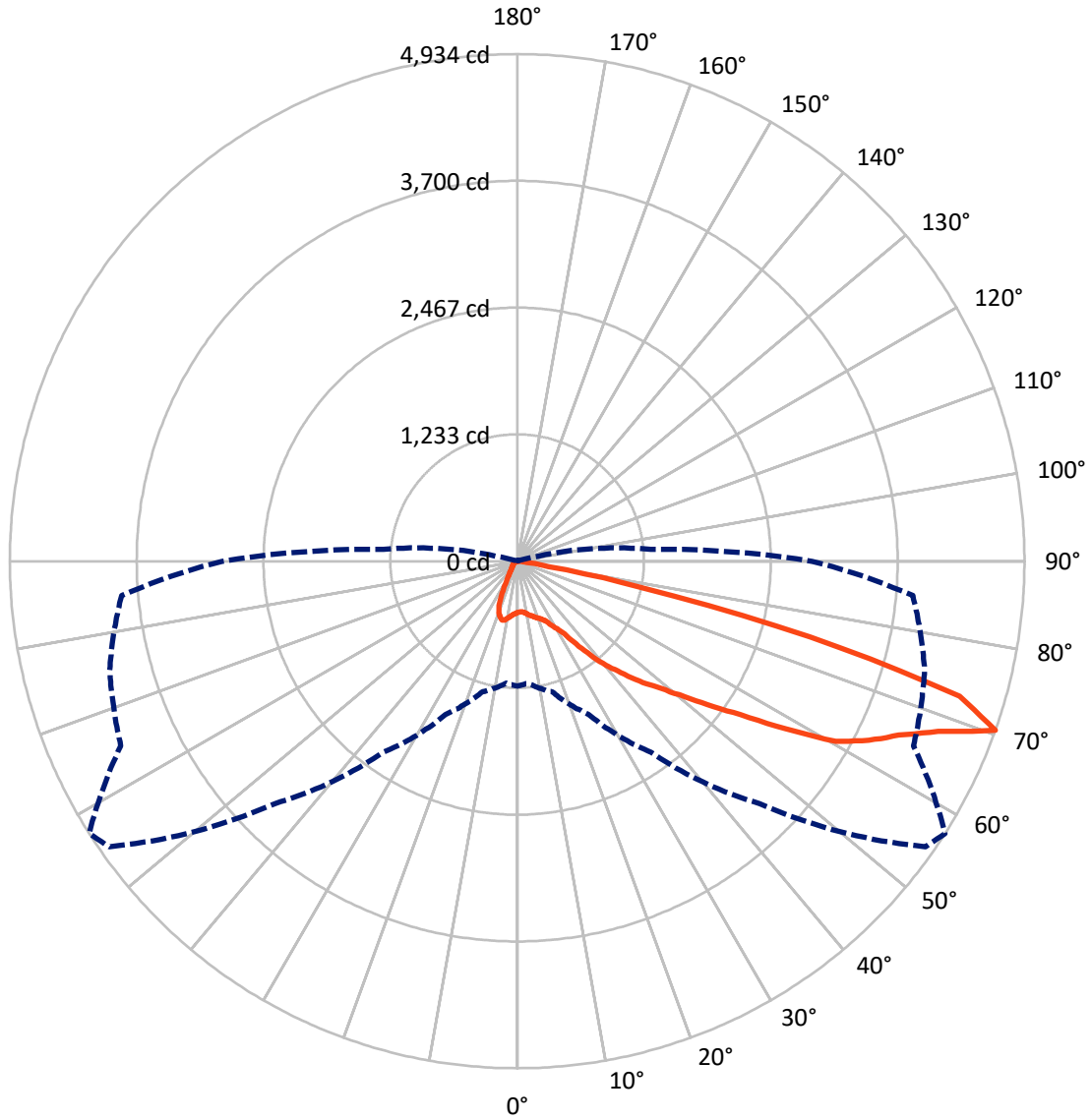
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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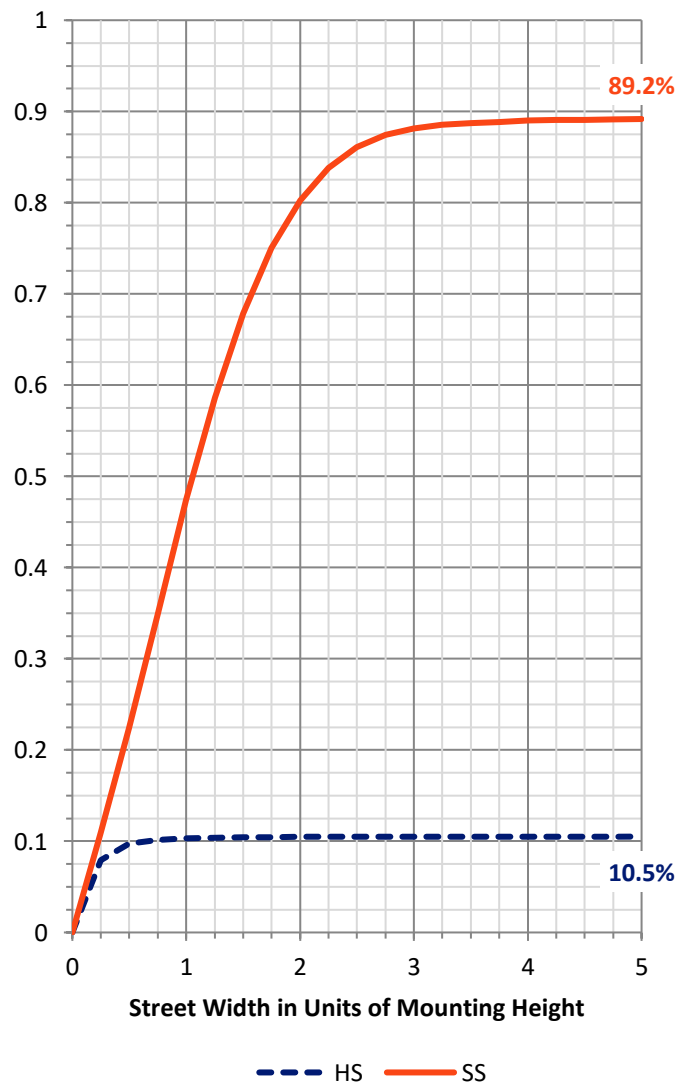
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	586.8	0.0	586.8
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	4933.9	0.0	4933.9
	% Fixture	89.4	0.0	89.4
Total	Lumens	5520.7	0.0	5520.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	0.9
10°-20°	145.1	2.6
20°-30°	256.6	4.6
30°-40°	464.0	8.4
40°-50°	808.8	14.6
50°-60°	1326.3	24.0
60°-70°	1701.7	30.8
70°-80°	746.7	13.5
80°-90°	23.2	0.4
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°	5520.7	100.0
0°-180°	5520.7	100.0

Coefficient of Utilization

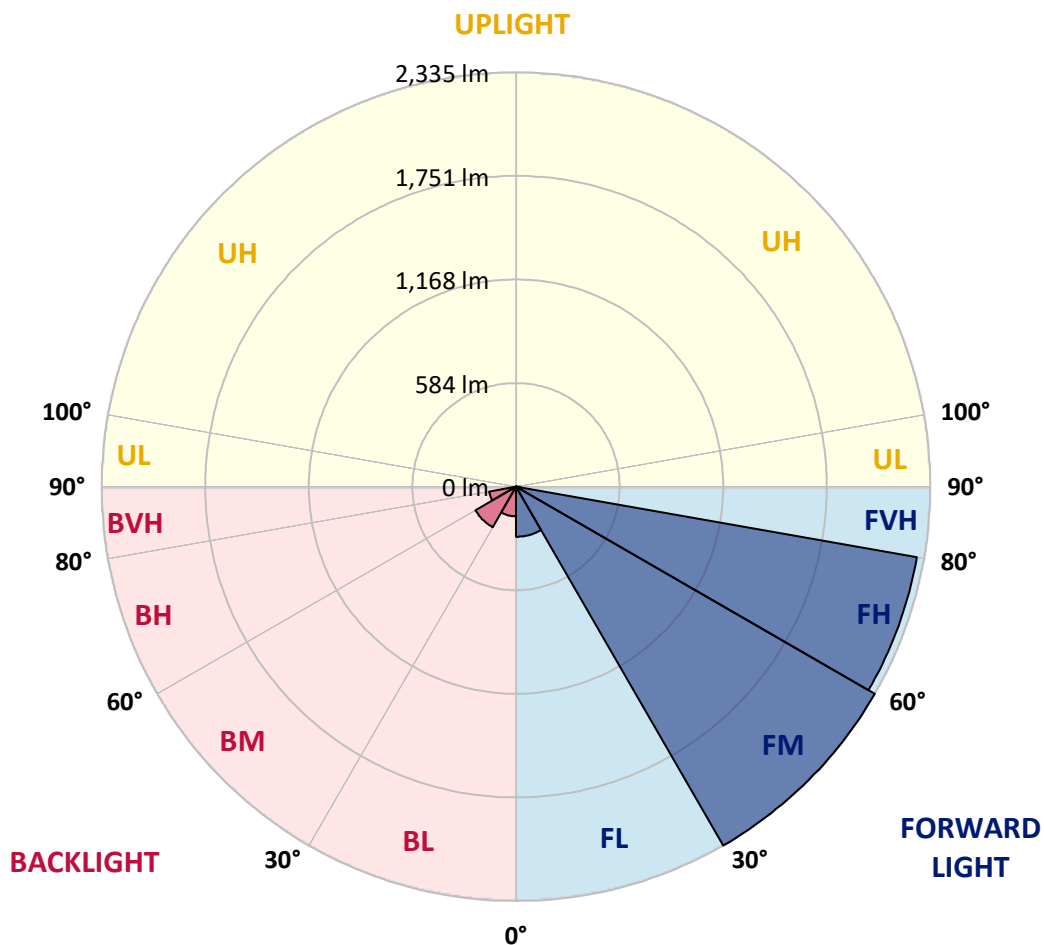


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.5	5.1			
FM (30°-60°)	2335.3	42.3			
FH (60°-80°)	2294.5	41.6			G2/5000
FVH (80°-90°)	21.7	0.4			G1/100
BL (0°-30°)	167.6	3.0	B1/500		
BM (30°-60°)	263.7	4.8	B1/1000		
BH (60°-80°)	153.9	2.8	B1/500		G1/500
BVH (80°-90°)	1.5	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	495.5	495.5	495.5	495.5	495.5	495.5	495.5	495.5	495.5	495.5	495.5
2.5°	470.9	477.9	481.4	481.4	477.9	484.9	484.9	495.5	492.0	499.0	506.0
5°	463.9	460.3	467.4	470.9	477.9	484.9	495.5	495.5	502.5	506.0	513.1
7.5°	449.8	446.3	446.3	460.3	474.4	492.0	506.0	502.5	516.6	530.6	548.2
10°	446.3	449.8	449.8	456.8	470.9	484.9	513.1	520.1	544.7	569.3	586.9
12.5°	463.9	456.8	460.3	463.9	474.4	495.5	527.1	541.2	572.8	604.4	625.5
15°	474.4	470.9	474.4	477.9	484.9	499.0	544.7	555.2	597.4	646.6	678.2
17.5°	516.6	509.5	502.5	492.0	492.0	509.5	558.7	576.3	636.1	685.3	706.3
20°	604.4	597.4	576.3	544.7	523.6	523.6	565.8	590.4	653.6	727.4	745.0
22.5°	748.5	752.0	716.9	639.6	583.3	558.7	593.9	615.0	688.8	766.1	783.6
25°	917.2	910.2	878.5	783.6	688.8	618.5	625.5	643.1	723.9	818.8	822.3
27.5°	1043.7	1057.7	1026.1	948.8	829.3	706.3	688.8	702.8	780.1	864.5	868.0
30°	1177.2	1180.7	1145.6	1089.4	980.4	843.4	766.1	762.6	839.9	927.7	906.6
32.5°	1367.0	1349.4	1296.7	1219.4	1117.5	998.0	861.0	843.4	882.0	980.4	959.4
35°	1532.2	1535.7	1475.9	1381.0	1279.1	1163.2	1019.1	987.5	991.0	1068.3	1036.7
37.5°	1683.3	1686.8	1658.7	1567.3	1461.9	1321.3	1180.7	1159.7	1096.4	1198.3	1117.5
40°	1785.2	1753.5	1774.6	1736.0	1630.6	1521.6	1395.1	1331.9	1240.5	1282.7	1229.9
42.5°	1851.9	1851.9	1901.1	1890.6	1799.2	1753.5	1549.7	1479.4	1381.0	1454.8	1360.0
45°	2024.1	2006.6	2073.3	2069.8	2013.6	1964.4	1750.0	1665.7	1546.2	1651.6	1542.7
47.5°	2189.3	2213.9	2273.6	2263.1	2266.6	2224.4	1904.7	1823.8	1750.0	1894.1	1764.1
50°	2326.3	2347.4	2463.4	2463.4	2516.1	2516.1	2108.5	2045.2	2024.1	2228.0	1992.5
52.5°	2414.2	2414.2	2537.2	2639.1	2755.1	2776.2	2329.9	2315.8	2350.9	2558.3	2301.7
55°	2495.0	2473.9	2621.5	2730.5	2962.4	3022.1	2670.7	2632.1	2751.6	2955.4	2565.3
57.5°	2481.0	2459.9	2625.0	2797.2	3088.9	3250.6	3088.9	3074.9	3127.6	3254.1	2776.2
60°	2435.3	2403.7	2565.3	2807.8	3201.4	3510.6	3538.7	3559.8	3433.3	3408.7	3064.3
62.5°	2287.7	2315.8	2470.4	2769.1	3320.8	3640.6	3865.5	3837.4	3668.7	3563.3	3405.2
65°	2133.1	2126.0	2326.3	2670.7	3257.6	3725.0	4079.9	4079.9	3819.8	3746.0	3767.1
67.5°	1802.7	1792.2	1974.9	2308.8	2934.3	3647.7	4529.7	4417.2	4069.3	4006.1	4030.7
70°	1215.9	1191.3	1317.8	1644.6	2270.1	3334.9	4846.0	4933.8	4252.1	4101.0	3862.0
72.5°	425.2	425.2	625.5	801.2	1370.5	2533.7	4441.8	4501.6	3939.3	3605.5	2677.8
75°	133.5	133.5	207.3	305.7	523.6	1131.5	2751.6	2941.3	2681.3	2189.3	1026.1
77.5°	59.7	56.2	80.8	105.4	161.6	239.0	1078.8	1215.9	1110.5	674.7	231.9
80°	35.1	38.7	49.2	66.8	94.9	87.9	253.0	309.2	302.2	172.2	66.8
82.5°	21.1	24.6	35.1	45.7	59.7	42.2	77.3	87.9	105.4	80.8	35.1
85°	10.5	10.5	21.1	35.1	31.6	21.1	31.6	35.1	45.7	49.2	17.6
87.5°	0.0	0.0	10.5	17.6	10.5	7.0	7.0	10.5	14.1	24.6	7.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	495.5	495.5	495.5	495.5	495.5	495.5	495.5	495.5	495.5	495.5	495.5
2.5°	502.5	506.0	509.5	509.5	513.1	509.5	509.5	509.5	499.0	506.0	502.5
5°	520.1	520.1	523.6	527.1	516.6	513.1	513.1	509.5	499.0	499.0	502.5
7.5°	548.2	555.2	555.2	551.7	537.7	527.1	516.6	502.5	499.0	499.0	492.0
10°	593.9	593.9	586.9	579.8	555.2	541.2	513.1	484.9	470.9	467.4	460.3
12.5°	629.0	632.5	629.0	607.9	579.8	530.6	477.9	449.8	432.2	414.7	411.2
15°	667.7	674.7	667.7	643.1	576.3	495.5	435.8	372.5	319.8	291.7	284.6
17.5°	709.9	713.4	702.8	639.6	541.2	449.8	333.8	228.4	179.2	154.6	154.6
20°	745.0	734.5	723.9	622.0	506.0	337.4	200.3	133.5	123.0	119.5	119.5
22.5°	769.6	766.1	723.9	597.4	421.7	207.3	126.5	119.5	119.5	116.0	116.0
25°	804.7	794.2	720.4	548.2	298.7	130.0	116.0	116.0	112.5	108.9	108.9
27.5°	850.4	825.8	713.4	502.5	175.7	108.9	108.9	108.9	98.4	94.9	94.9
30°	885.6	846.9	692.3	393.6	108.9	98.4	98.4	94.9	84.3	77.3	73.8
32.5°	913.7	868.0	681.7	267.1	94.9	91.4	84.3	77.3	66.8	59.7	59.7
35°	984.0	924.2	678.2	158.1	91.4	80.8	70.3	59.7	52.7	49.2	45.7
37.5°	1050.7	991.0	653.6	101.9	84.3	73.8	59.7	49.2	42.2	38.7	38.7
40°	1149.1	1061.3	600.9	87.9	77.3	63.3	49.2	38.7	35.1	31.6	31.6
42.5°	1279.1	1145.6	499.0	77.3	66.8	56.2	38.7	31.6	28.1	24.6	24.6
45°	1430.2	1251.0	340.9	73.8	63.3	45.7	35.1	28.1	24.6	21.1	21.1
47.5°	1613.0	1349.4	210.8	66.8	52.7	38.7	28.1	21.1	17.6	14.1	14.1
50°	1837.9	1465.4	130.0	59.7	45.7	31.6	24.6	17.6	14.1	10.5	10.5
52.5°	2062.8	1595.4	94.9	52.7	42.2	28.1	21.1	14.1	10.5	10.5	10.5
55°	2270.1	1690.3	77.3	49.2	35.1	24.6	17.6	14.1	10.5	7.0	7.0
57.5°	2502.1	1753.5	66.8	42.2	31.6	21.1	17.6	10.5	10.5	7.0	7.0
60°	2765.6	1795.7	56.2	38.7	24.6	17.6	14.1	10.5	7.0	7.0	3.5
62.5°	3032.7	1820.3	45.7	31.6	21.1	14.1	10.5	10.5	7.0	3.5	3.5
65°	3236.5	1823.8	35.1	24.6	17.6	14.1	10.5	7.0	3.5	3.5	0.0
67.5°	3254.1	1672.7	31.6	21.1	14.1	10.5	7.0	7.0	3.5	0.0	0.0
70°	2871.0	1303.7	24.6	17.6	10.5	7.0	7.0	3.5	0.0	0.0	0.0
72.5°	1753.5	667.7	21.1	14.1	10.5	7.0	3.5	3.5	0.0	0.0	0.0
75°	586.9	161.6	17.6	10.5	7.0	7.0	3.5	3.5	0.0	0.0	0.0
77.5°	126.5	49.2	14.1	10.5	7.0	3.5	3.5	0.0	0.0	0.0	0.0
80°	45.7	24.6	10.5	7.0	7.0	3.5	3.5	0.0	0.0	0.0	0.0
82.5°	21.1	14.1	10.5	7.0	3.5	3.5	0.0	0.0	0.0	0.0	0.0
85°	10.5	7.0	7.0	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0
87.5°	3.5	3.5	0.0	0.0	0.0	0.0	0.0	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)