

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: P1211396

Luminaire Tested: **ARCH4-260-740-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-260-740-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27575 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 259.2
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: 24 FT

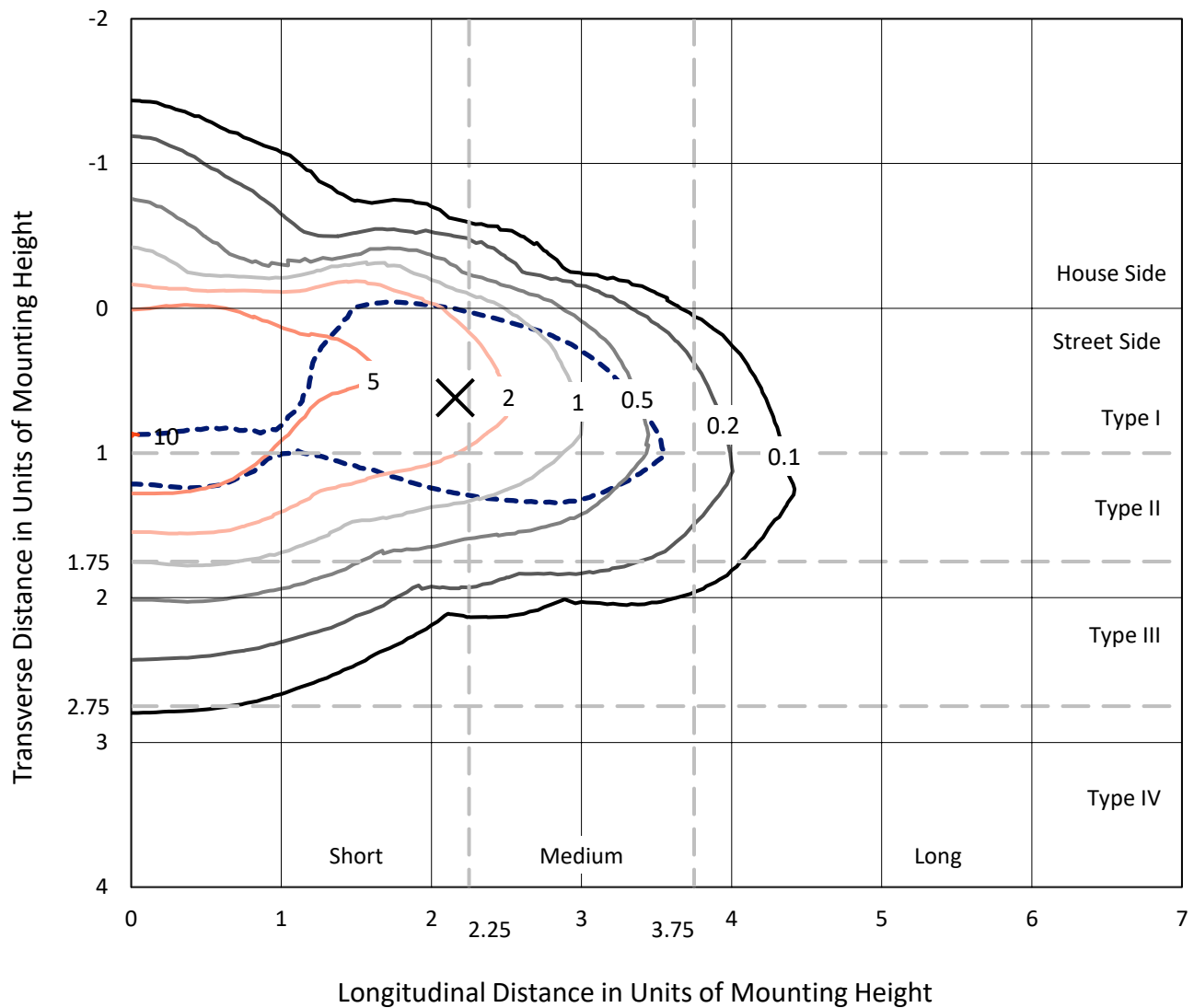


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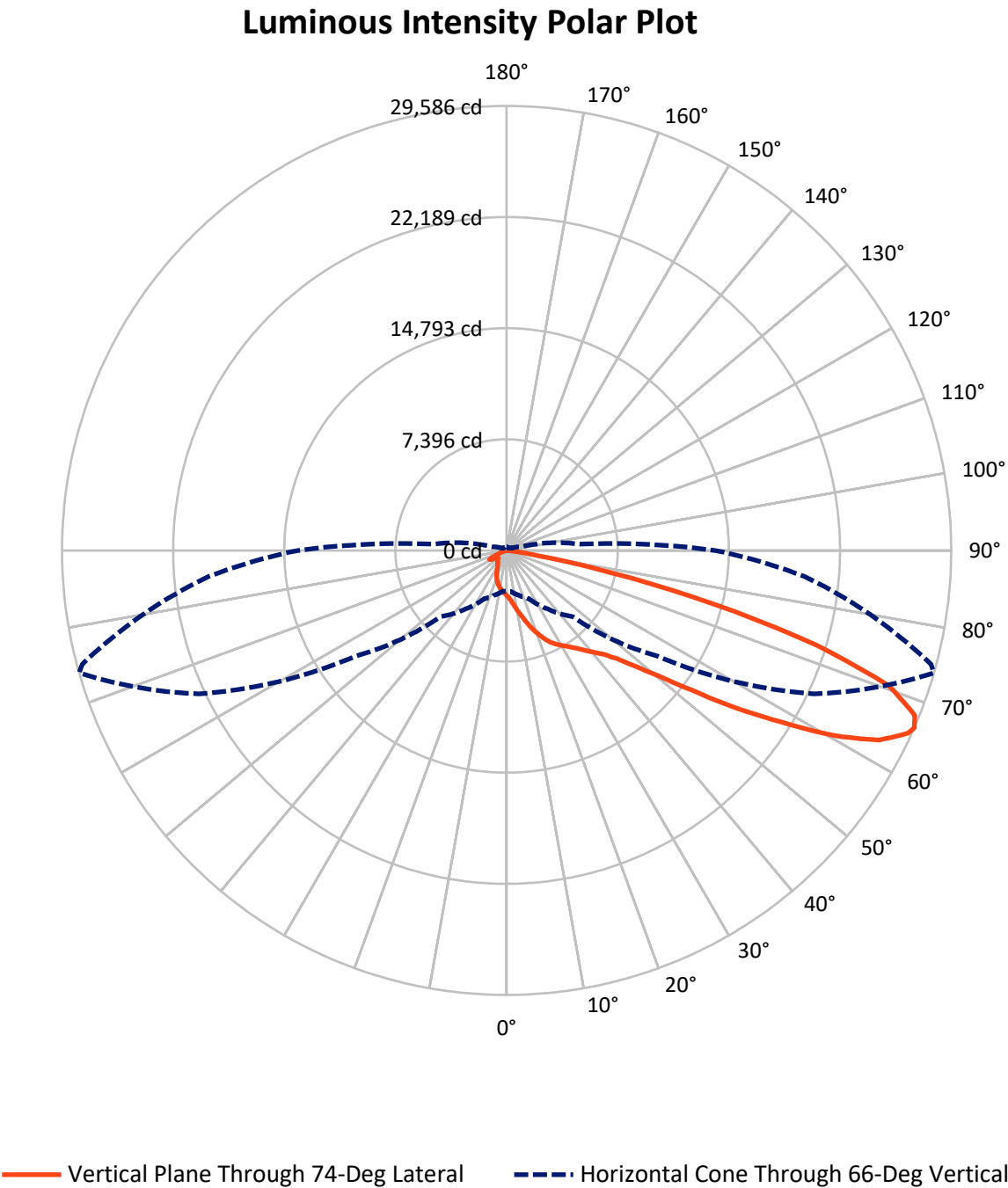
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2703.2	0.0	2703.2
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	24871.8	0.0	24871.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	27575.0	0.0	27575.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.8	1.1
10°-20°	941.9	3.4
20°-30°	1797.5	6.5
30°-40°	3150.6	11.4
40°-50°	5402.4	19.6
50°-60°	7026.3	25.5
60°-70°	6360.5	23.1
70°-80°	2454.2	8.9
80°-90°	147.7	0.5
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°	27575.0	100.0
0°-180°	27575.0	100.0

Coefficient of Utilization



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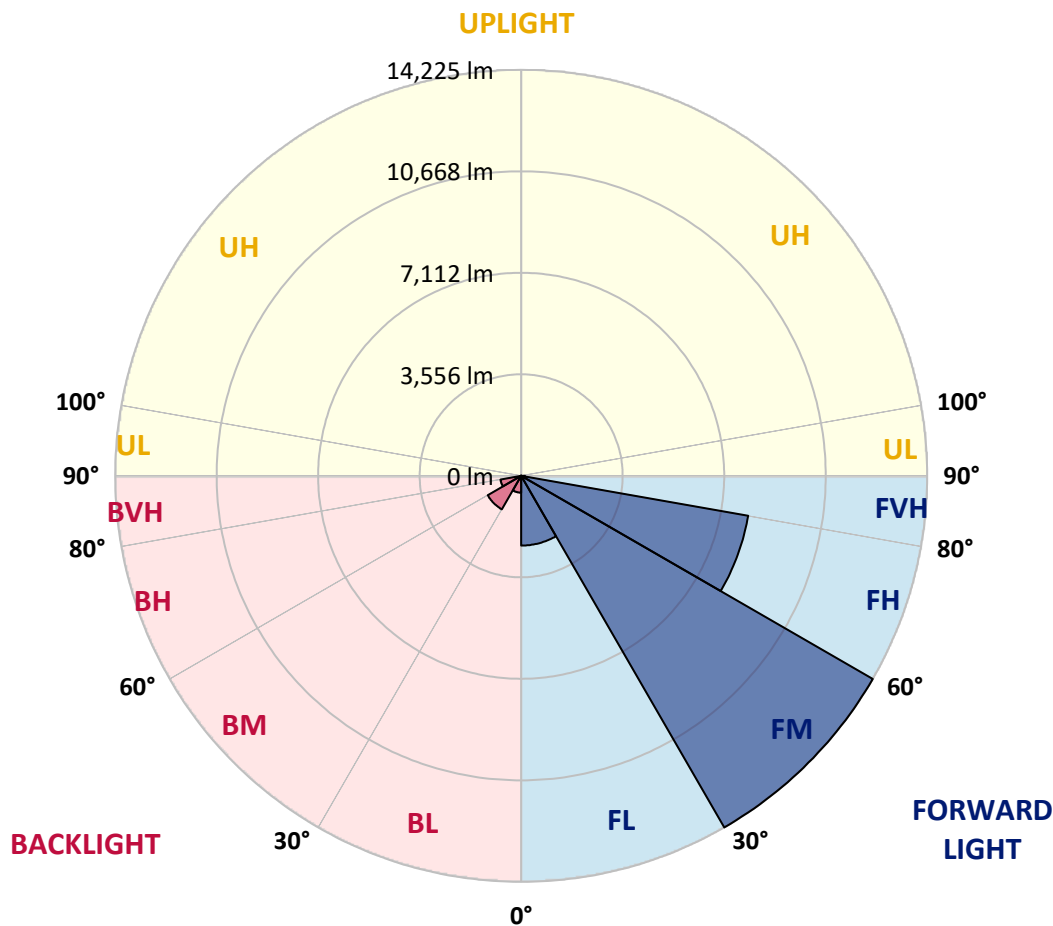
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2443.5	8.9			
FM	(30°-60°)	14224.6	51.6			
FH	(60°-80°)	8075.8	29.3			G4/12000
FVH	(80°-90°)	127.9	0.5			G2/225
BL	(0°-30°)	589.6	2.1	B2/1000		
BM	(30°-60°)	1354.8	4.9	B2/2500		
BH	(60°-80°)	739.0	2.7	B2/1000		G2/1000
BVH	(80°-90°)	19.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0
2.5°	3614.0	3584.3	3529.9	3524.9	3480.4	3425.9	3331.8	3232.8	3163.5	3153.6	3069.5
5°	4326.9	4312.1	4257.6	4223.0	4138.8	4010.1	3792.3	3574.4	3391.3	3371.5	3183.3
7.5°	4515.1	4525.0	4534.9	4569.5	4539.8	4480.4	4317.0	4010.1	3723.0	3678.4	3351.7
10°	4544.8	4534.9	4534.9	4579.4	4663.6	4747.8	4728.0	4465.6	4094.3	4039.8	3584.3
12.5°	4866.6	4881.4	4846.8	4827.0	4812.1	4856.7	5005.2	4891.3	4485.4	4440.8	3866.5
15°	5282.4	5277.5	5228.0	5228.0	5183.4	5109.2	5203.2	5287.4	4955.7	4901.2	4188.3
17.5°	5584.4	5604.2	5599.3	5629.0	5614.1	5515.1	5465.6	5638.9	5440.9	5371.6	4554.7
20°	5827.0	5881.5	5901.3	5995.3	6039.9	5970.6	5841.9	5950.8	5906.2	5841.9	4926.0
22.5°	6084.5	6129.0	6163.7	6327.0	6450.8	6436.0	6272.6	6247.8	6356.7	6297.3	5292.3
25°	6341.9	6361.7	6465.7	6663.7	6861.7	6911.2	6742.9	6549.8	6762.7	6708.3	5619.1
27.5°	6624.1	6634.0	6757.8	7000.3	7277.6	7381.6	7247.9	6891.4	7074.6	7074.6	5916.1
30°	7139.0	7238.0	7287.5	7505.3	7747.9	7891.5	7733.1	7252.8	7351.8	7396.4	6228.0
32.5°	8247.9	8262.8	8247.9	8342.0	8391.5	8475.7	8292.5	7658.8	7634.0	7683.5	6535.0
35°	9941.1	9881.7	9723.3	9584.6	9297.5	9139.1	8901.4	8178.6	7980.6	8049.9	6837.0
37.5°	11995.6	11911.5	11550.1	11124.3	10510.4	9876.7	9579.7	8812.3	8421.2	8510.3	7163.7
40°	13956.1	13901.7	13471.0	12946.2	11896.6	10812.4	10183.7	9347.0	8911.3	8946.0	7495.4
42.5°	15570.1	15560.2	15198.8	14649.2	13302.6	11822.4	10896.6	9871.8	9426.2	9480.7	7842.0
45°	16792.9	16698.8	16431.5	16035.4	14664.1	12871.9	11758.0	10668.8	10253.0	10317.3	8361.8
47.5°	16792.9	16807.8	16981.0	16941.4	15614.6	13857.1	12698.6	11673.8	11475.8	11535.2	9218.3
50°	15426.5	15565.1	16337.4	16986.0	16109.7	14624.5	13713.5	12931.3	13134.3	13223.4	10713.4
52.5°	12723.4	12956.1	14297.7	15778.0	15743.4	15010.6	14763.1	14530.4	15441.4	15599.8	12921.4
55°	9668.8	9822.3	11569.9	13515.5	14149.2	14693.8	15679.0	16560.2	18496.0	18461.3	15164.1
57.5°	7223.1	7366.7	8871.7	11030.2	11866.9	13322.4	16149.3	18882.1	21525.8	21659.5	17268.2
60°	5312.1	5421.1	6703.3	8475.7	9683.6	11223.3	15961.2	21169.4	25016.1	24862.6	19124.7
62.5°	3930.9	3990.3	4916.1	6069.6	7673.6	9144.0	14778.0	22733.8	27803.4	27491.5	20159.4
65°	3039.8	3059.6	3539.8	4153.7	5579.5	7109.3	13015.5	22971.4	29343.0	29011.3	20139.6
66°	2708.1	2722.9	3074.4	3549.7	4747.8	6223.1	12243.2	22590.2	29585.6	29234.1	19892.1
67.5°	2272.4	2262.5	2470.4	2782.3	3564.5	4802.2	10871.8	21476.3	29298.5	29120.2	19100.0
70°	1683.3	1688.2	1792.2	1866.4	2084.3	2658.5	7851.9	18629.6	27001.3	26991.4	16926.6
72.5°	1247.6	1262.4	1341.7	1356.5	1302.0	1440.7	4525.0	14817.6	21600.1	21605.0	12654.1
75°	935.7	960.4	985.2	995.1	945.6	910.9	2044.7	9970.8	14208.6	14104.7	7163.7
77.5°	712.9	722.8	742.6	727.8	717.9	628.7	851.5	4861.6	7015.2	6391.4	2321.9
80°	519.8	519.8	539.6	519.8	514.9	450.5	465.4	1559.5	2059.5	1713.0	500.0
82.5°	326.7	321.8	336.7	331.7	321.8	287.1	272.3	435.7	475.3	425.8	242.6
85°	183.2	178.2	173.3	168.3	153.5	128.7	148.5	163.4	217.8	222.8	173.3
87.5°	64.4	64.4	59.4	54.5	44.6	44.6	54.5	54.5	79.2	79.2	89.1
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°	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0	3010.0
2.5°	3029.9	2975.4	2896.2	2792.2	2718.0	2643.7	2564.5	2519.9	2455.6	2440.7	2460.5
5°	3084.3	2985.3	2787.3	2569.4	2381.3	2213.0	2054.6	1960.5	1866.4	1831.8	1846.6
7.5°	3198.2	3029.9	2693.2	2341.7	2029.8	1777.3	1589.2	1480.3	1396.1	1361.5	1371.4
10°	3366.5	3109.1	2604.1	2084.3	1683.3	1415.9	1257.5	1188.2	1138.7	1118.9	1123.8
12.5°	3569.5	3222.9	2490.2	1826.8	1386.2	1153.5	1079.3	1064.4	1054.5	1044.6	1049.6
15°	3797.2	3321.9	2356.6	1574.3	1153.5	1024.8	1000.0	995.1	990.1	990.1	990.1
17.5°	4034.9	3411.1	2208.0	1336.7	1005.0	945.6	930.7	930.7	930.7	935.7	935.7
20°	4257.6	3480.4	2034.8	1123.8	920.8	871.3	861.4	861.4	866.4	871.3	871.3
22.5°	4475.5	3510.1	1831.8	975.3	851.5	807.0	792.1	792.1	792.1	797.1	797.1
25°	4663.6	3510.1	1628.8	881.2	792.1	747.6	727.8	722.8	727.8	727.8	727.8
27.5°	4822.0	3495.2	1430.8	816.9	732.7	688.2	668.3	663.4	673.3	678.3	678.3
30°	4990.3	3475.4	1272.3	757.5	683.2	638.6	618.8	618.8	633.7	653.5	653.5
32.5°	5153.7	3490.3	1148.6	708.0	633.7	599.0	579.2	584.2	613.9	643.6	643.6
35°	5327.0	3520.0	1074.3	673.3	599.0	564.4	549.5	564.4	594.1	623.8	623.8
37.5°	5500.3	3554.6	1029.8	643.6	569.3	534.7	524.8	544.6	579.2	608.9	613.9
40°	5683.4	3584.3	980.2	613.9	549.5	509.9	505.0	524.8	569.3	599.0	604.0
42.5°	5911.2	3643.7	920.8	589.1	529.7	480.2	485.2	500.0	544.6	589.1	594.1
45°	6356.7	3831.9	861.4	564.4	505.0	465.4	455.5	465.4	514.9	564.4	574.3
47.5°	7193.4	4257.6	797.1	539.6	480.2	455.5	415.9	425.8	470.3	524.8	529.7
50°	8797.5	5163.6	762.4	514.9	460.4	420.8	376.3	376.3	410.9	460.4	460.4
52.5°	11297.6	6787.5	782.2	495.1	435.7	386.2	341.6	336.7	356.5	391.1	391.1
55°	13995.7	8569.7	856.5	475.3	406.0	366.4	316.8	292.1	306.9	326.7	326.7
57.5°	16134.5	9465.8	1059.5	465.4	371.3	351.5	287.1	252.5	267.3	287.1	287.1
60°	17075.1	8941.0	1287.2	475.3	346.6	326.7	257.4	222.8	247.5	267.3	272.3
62.5°	16312.7	7361.7	1381.3	450.5	311.9	292.1	252.5	207.9	237.6	252.5	257.4
65°	14664.1	5594.3	1079.3	391.1	287.1	252.5	227.7	198.0	222.8	237.6	237.6
66°	13881.9	4876.5	920.8	361.4	277.2	237.6	217.8	198.0	217.8	227.7	232.7
67.5°	12668.9	3846.7	683.2	316.8	257.4	217.8	203.0	188.1	207.9	217.8	217.8
70°	9906.4	2292.2	410.9	247.5	222.8	193.1	183.2	173.3	188.1	193.1	193.1
72.5°	6203.3	1089.2	262.4	183.2	188.1	183.2	153.5	163.4	168.3	173.3	173.3
75°	3005.1	430.7	178.2	133.7	153.5	173.3	123.8	143.6	148.5	158.4	153.5
77.5°	836.7	207.9	113.9	99.0	133.7	133.7	94.1	113.9	133.7	168.3	153.5
80°	242.6	133.7	74.3	74.3	94.1	94.1	64.4	79.2	89.1	99.0	104.0
82.5°	168.3	89.1	49.5	54.5	54.5	59.4	39.6	39.6	49.5	49.5	54.5
85°	133.7	39.6	29.7	34.7	24.8	29.7	19.8	19.8	24.8	19.8	19.8
87.5°	54.5	19.8	19.8	19.8	14.9	14.9	9.9	5.0	5.0	5.0	5.0
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)