

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: P481896

Luminaire Tested: **IFLD-S-SA2B-722-U-T2R-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481896
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-722-U-T2R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

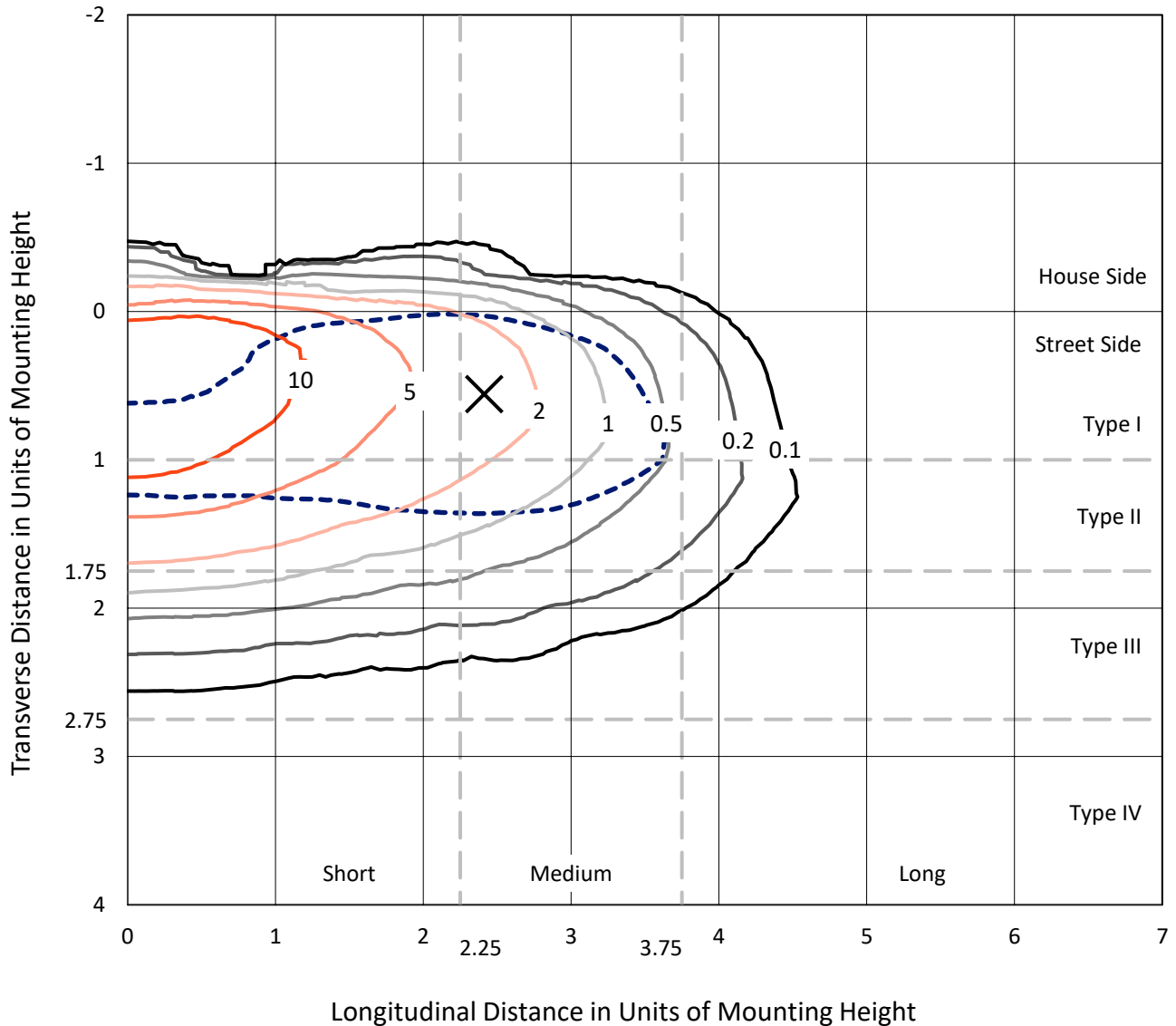
Lumens per Lamp: N/A
Luminaire Lumens: 6612.3 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 82.4
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

REPORT NUMBER: P481896
 CATALOG NUMBER: IFLD-S-SA2B-722-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

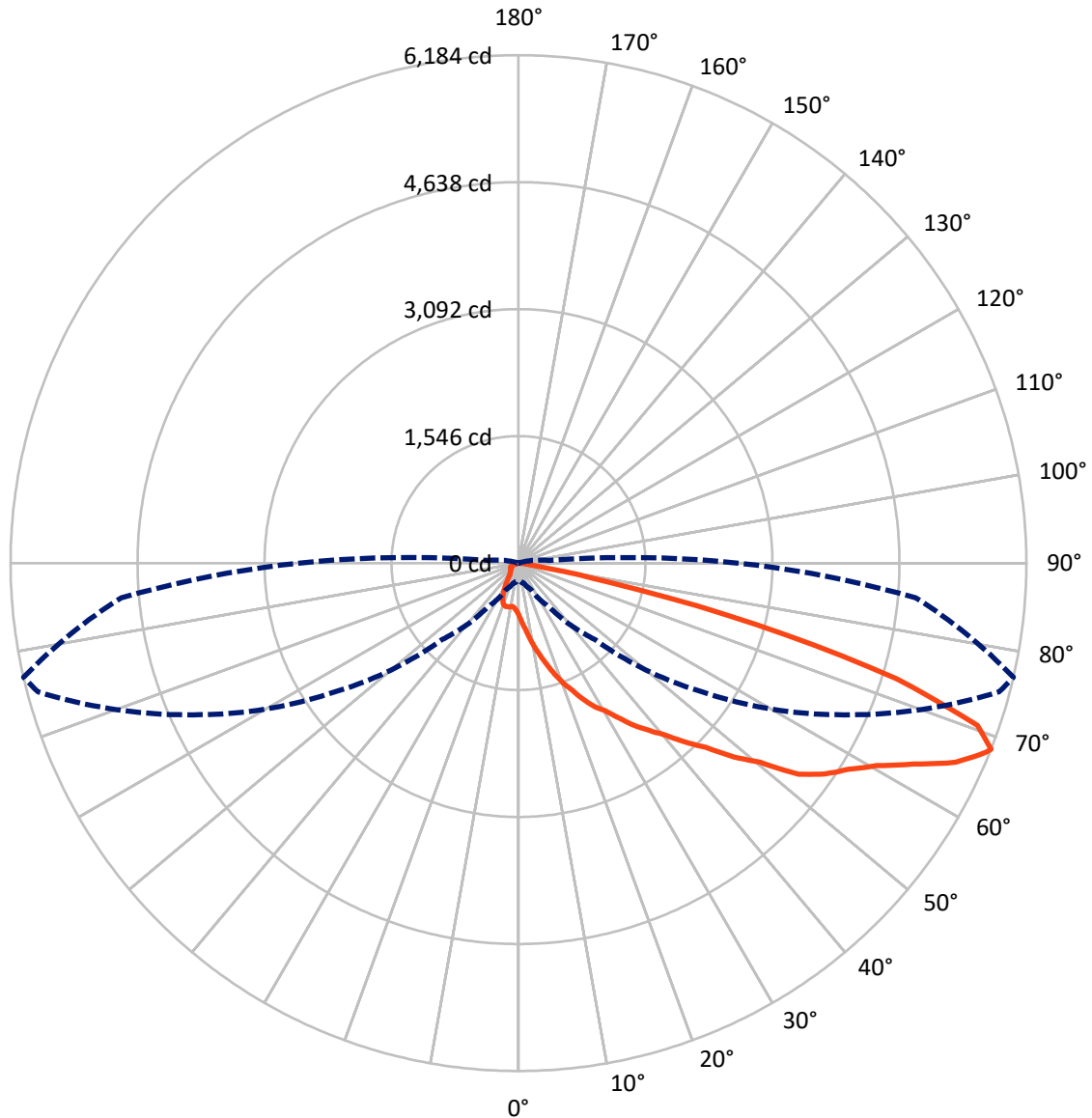
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P481896
CATALOG NUMBER: IFLD-S-SA2B-722-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P481896
 CATALOG NUMBER: IFLD-S-SA2B-722-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	299.9	0.0	299.9
	% Fixture	4.5	0.0	4.5
Street Side	Lumens	6312.4	0.0	6312.4
	% Fixture	95.5	0.0	95.5
Total	Lumens	6612.3	0.0	6612.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	1.1
10°-20°	272.8	4.1
20°-30°	528.7	8.0
30°-40°	921.7	13.9
40°-50°	1349.9	20.4
50°-60°	1585.9	24.0
60°-70°	1339.2	20.3
70°-80°	519.1	7.9
80°-90°	21.1	0.3
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°	6612.3	100.0
0°-180°	6612.3	100.0

Coefficient of Utilization



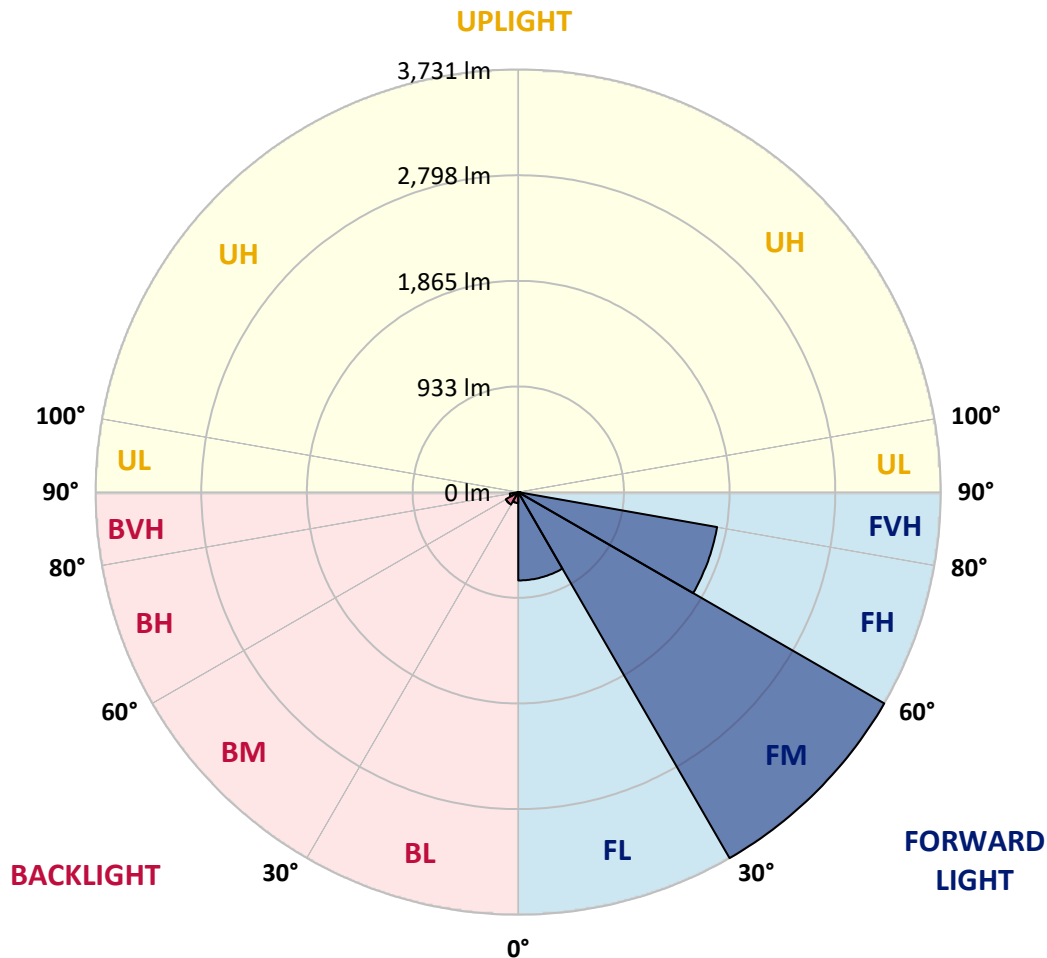
REPORT NUMBER: P481896
 CATALOG NUMBER: IFLD-S-SA2B-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	779.6	11.8			
FM (30°-60°)	3730.8	56.4			
FH (60°-80°)	1782.5	27.0			G1/1800
FVH (80°-90°)	19.5	0.3			G1/100
BL (0°-30°)	95.8	1.4	B0/110		
BM (30°-60°)	126.7	1.9	B0/220		
BH (60°-80°)	75.7	1.1	B0/110		G0/110
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium





REPORT NUMBER: P481896

CATALOG NUMBER: IFLD-S-SA2B-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1
2.5°	962.0	943.8	924.6	919.2	883.7	843.6	806.2	769.8	708.7	709.7	667.8
5°	1239.9	1217.1	1201.6	1197.9	1142.4	1073.1	1016.7	913.7	812.6	789.8	713.3
7.5°	1468.5	1461.2	1438.4	1419.3	1378.3	1293.6	1227.1	1079.5	925.6	900.1	768.9
10°	1607.0	1617.9	1627.9	1603.3	1571.4	1510.4	1419.3	1259.9	1054.0	1022.1	840.8
12.5°	1754.6	1736.3	1742.7	1762.8	1720.8	1707.2	1594.2	1445.7	1204.3	1143.3	931.9
15°	1792.8	1800.1	1815.6	1873.9	1902.1	1863.0	1765.5	1596.0	1360.1	1275.4	1016.7
17.5°	1818.3	1814.7	1833.8	1921.3	1964.1	2001.4	1940.4	1763.7	1495.8	1420.2	1122.3
20°	1850.2	1830.2	1872.1	1927.6	2026.9	2105.3	2102.6	1932.2	1638.0	1557.8	1227.1
22.5°	1968.6	1953.2	1986.9	1992.3	2061.6	2170.9	2197.3	2069.8	1783.7	1685.3	1340.1
25°	2187.3	2215.5	2175.4	2140.8	2161.8	2233.7	2252.9	2191.8	1930.4	1840.2	1453.0
27.5°	2507.0	2503.4	2424.1	2379.5	2329.4	2320.3	2333.9	2305.7	2046.1	1981.4	1545.9
30°	2850.5	2820.4	2747.5	2640.0	2529.8	2461.5	2442.3	2413.2	2181.8	2088.0	1638.0
32.5°	3123.8	3140.2	3059.1	2918.8	2735.7	2643.7	2551.7	2519.8	2331.2	2248.3	1743.6
35°	3375.2	3353.3	3288.7	3170.2	3006.2	2857.8	2713.8	2645.5	2510.7	2428.7	1860.2
37.5°	3561.0	3588.4	3465.4	3352.4	3189.4	3066.4	2925.2	2775.8	2695.6	2586.3	2002.3
40°	3736.9	3694.0	3611.1	3507.3	3356.1	3262.2	3169.3	2936.1	2892.4	2751.2	2162.7
42.5°	3705.9	3708.6	3663.1	3579.3	3469.9	3416.2	3384.3	3131.1	3070.9	2980.7	2319.4
45°	3579.3	3590.2	3605.7	3564.7	3573.8	3520.0	3605.7	3355.2	3295.9	3200.3	2499.7
47.5°	3439.9	3458.1	3454.5	3529.2	3613.9	3632.1	3846.2	3603.9	3578.3	3525.5	2749.4
50°	3208.5	3215.8	3285.9	3421.7	3537.4	3727.7	4026.6	3875.3	3914.5	3810.6	3046.3
52.5°	2813.1	2839.5	3019.9	3214.0	3447.2	3776.0	4148.6	4278.9	4378.2	4271.6	3331.5
55°	2313.0	2349.4	2527.1	2890.6	3232.2	3703.2	4259.8	4492.1	4693.4	4532.1	3504.6
57.5°	1861.1	1864.8	2024.2	2399.5	2927.0	3560.1	4316.2	4595.9	4866.5	4737.1	3715.9
60°	1418.4	1403.8	1546.9	1872.1	2413.2	3208.5	4175.0	4648.8	5082.4	5007.7	3970.1
62.5°	912.8	890.0	1045.8	1362.8	1884.8	2622.7	3892.6	4649.7	5419.4	5391.2	4395.5
65°	451.8	436.4	570.3	835.4	1304.5	2006.0	3490.0	4632.4	5831.2	5849.4	4810.0
67.5°	238.7	244.1	287.0	423.6	752.5	1417.5	2883.3	4429.2	6041.6	6143.7	4910.2
68°	219.5	221.4	255.1	352.6	653.2	1314.6	2739.3	4370.0	6058.0	6183.8	4854.6
70°	178.6	181.3	193.1	221.4	353.5	855.4	2113.5	3867.1	5811.2	5926.0	4394.6
72.5°	142.1	150.3	157.6	169.4	207.7	449.1	1314.6	3013.5	4800.9	4813.6	3420.7
75°	108.4	114.8	129.4	139.4	162.2	246.9	625.8	1837.5	3150.2	2995.3	2015.1
77.5°	83.8	89.3	95.7	109.3	135.7	166.7	191.3	779.8	1338.2	1101.4	569.4
80°	50.1	53.7	74.7	85.6	118.4	113.0	75.6	216.8	271.5	214.1	103.9
82.5°	29.2	31.9	42.8	65.6	82.9	61.0	44.6	67.4	66.5	58.3	34.6
85°	0.9	1.8	23.7	39.2	29.2	16.4	27.3	28.2	23.7	21.9	15.5
87.5°	0.0	0.9	6.4	5.5	6.4	3.6	5.5	7.3	9.1	8.2	6.4
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: P481896

CATALOG NUMBER: IFLD-S-SA2B-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1
2.5°	639.5	619.5	574.8	541.1	504.7	482.8	461.0	447.3	440.0	435.5	439.1
5°	655.9	614.0	542.0	478.3	436.4	408.1	379.9	365.3	351.6	344.4	348.9
7.5°	692.3	629.5	510.2	440.9	391.7	348.0	312.5	284.2	267.8	253.3	256.0
10°	737.0	638.6	511.1	419.1	348.0	278.8	228.7	193.1	173.1	160.3	159.4
12.5°	782.5	674.1	514.7	397.2	294.2	209.5	150.3	123.9	112.1	105.7	105.7
15°	851.8	706.0	505.6	357.1	223.2	136.6	102.9	93.8	89.3	83.8	84.7
17.5°	911.9	757.0	501.0	297.0	153.0	98.4	85.6	75.6	71.1	65.6	65.6
20°	993.0	788.9	476.4	229.6	105.7	82.0	69.2	60.1	52.8	48.3	49.2
22.5°	1066.8	813.5	432.7	156.7	81.1	64.7	51.0	41.9	35.5	30.1	31.0
25°	1146.9	838.1	368.9	96.6	57.4	40.1	27.3	20.0	13.7	10.0	10.0
27.5°	1204.3	845.4	286.0	57.4	34.6	18.2	6.4	0.9	0.0	0.0	0.0
30°	1262.6	848.1	197.7	31.0	13.7	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	1329.1	847.2	123.9	16.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
35°	1380.1	831.7	59.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1457.6	809.0	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	1545.9	768.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1625.2	726.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	1715.4	674.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1873.9	652.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	2080.7	635.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	2208.2	583.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	2274.7	531.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	2373.1	505.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	2518.9	507.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2746.6	532.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2872.3	507.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2765.7	406.3	17.3	4.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
68°	2673.7	373.5	17.3	4.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	2210.0	243.2	16.4	4.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1609.7	134.8	13.7	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	936.5	67.4	10.0	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	244.1	33.7	8.2	4.6	2.7	0.9	0.0	0.0	0.0	0.0	0.0
80°	48.3	21.9	7.3	5.5	3.6	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	22.8	15.5	7.3	5.5	4.6	2.7	0.9	0.0	0.0	0.0	0.0
85°	11.8	7.3	7.3	5.5	5.5	3.6	1.8	0.0	0.0	0.0	0.0
87.5°	5.5	2.7	2.7	2.7	2.7	1.8	0.9	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)