

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: P416820

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-750-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9287 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

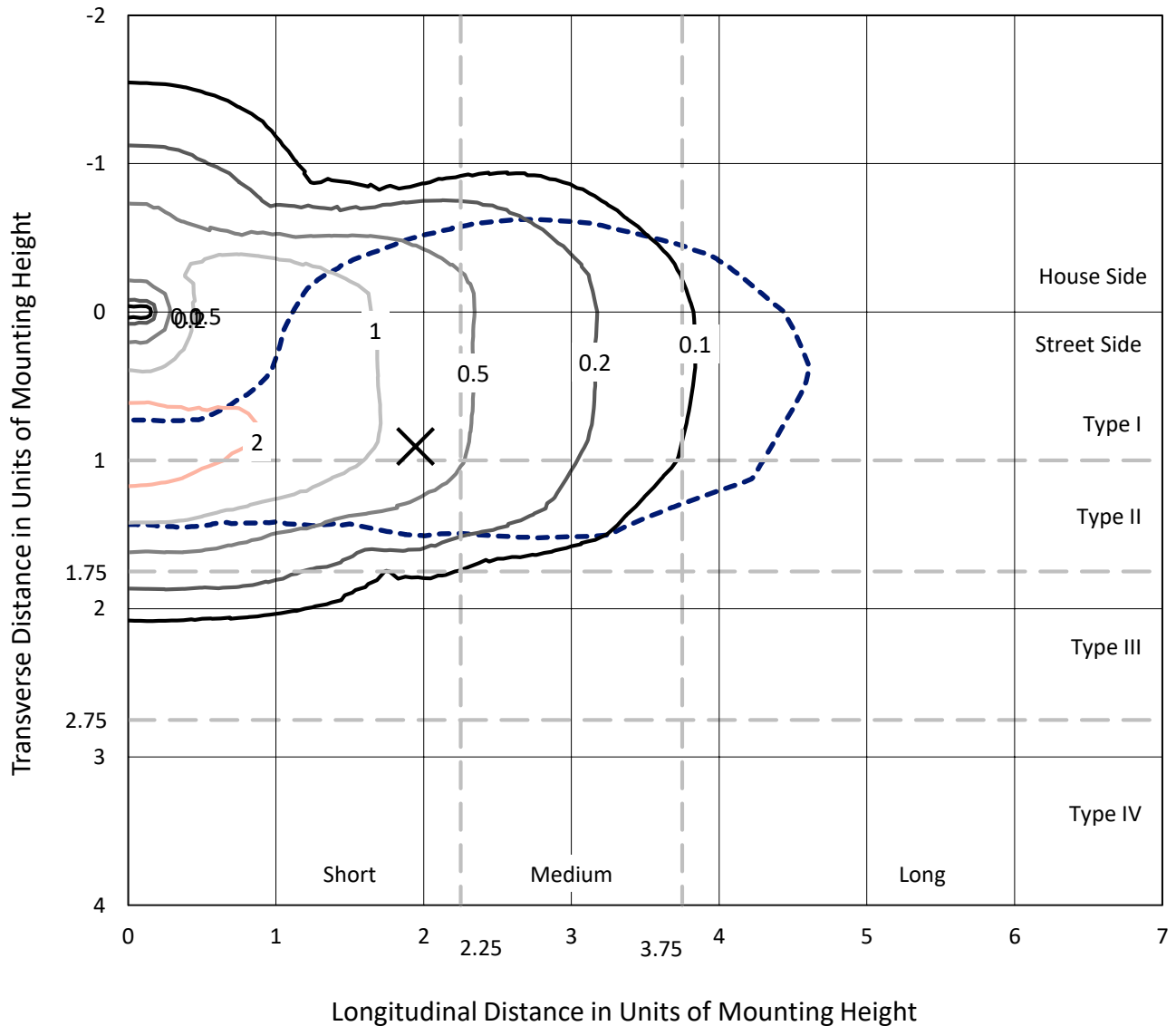
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

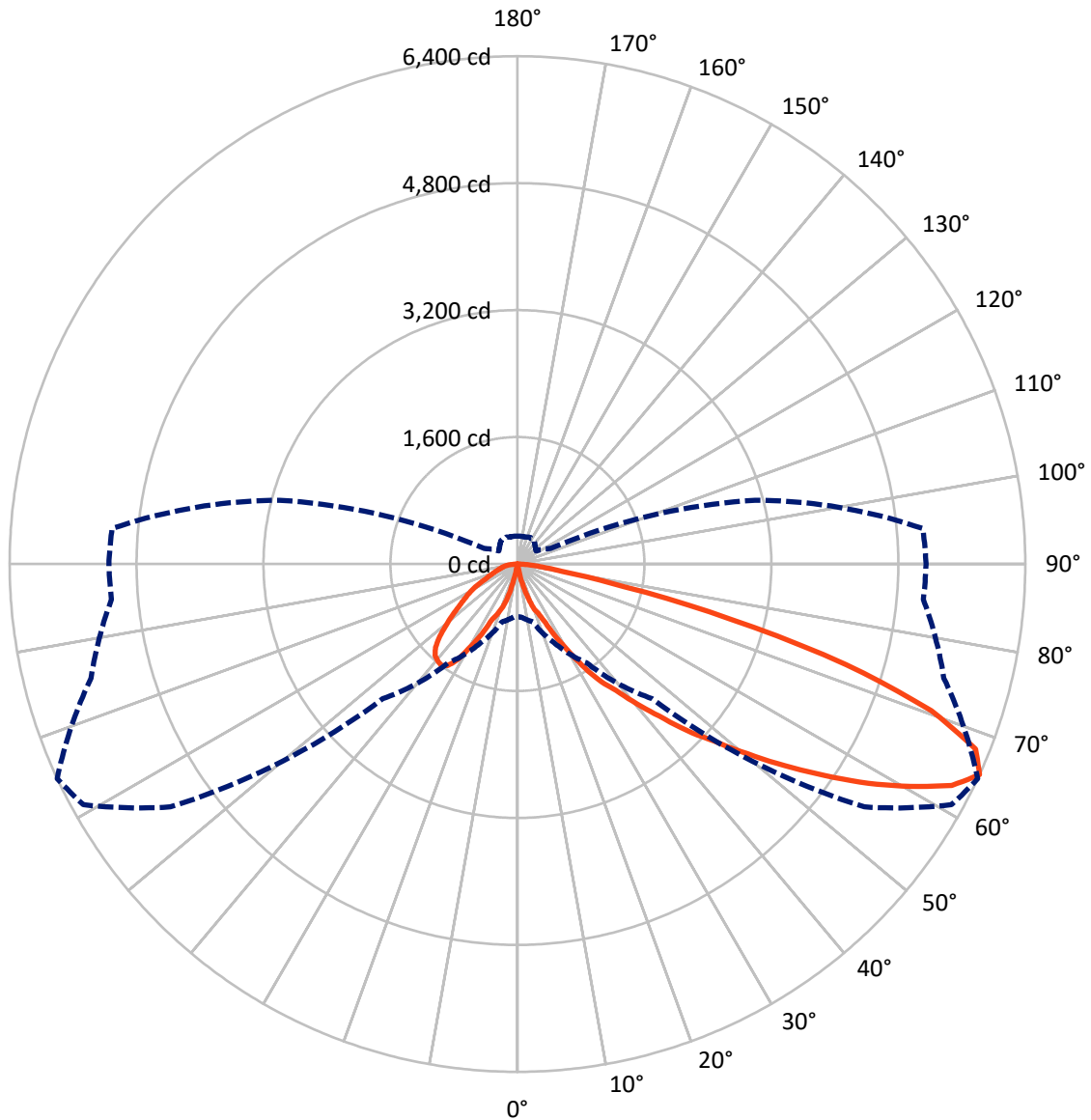
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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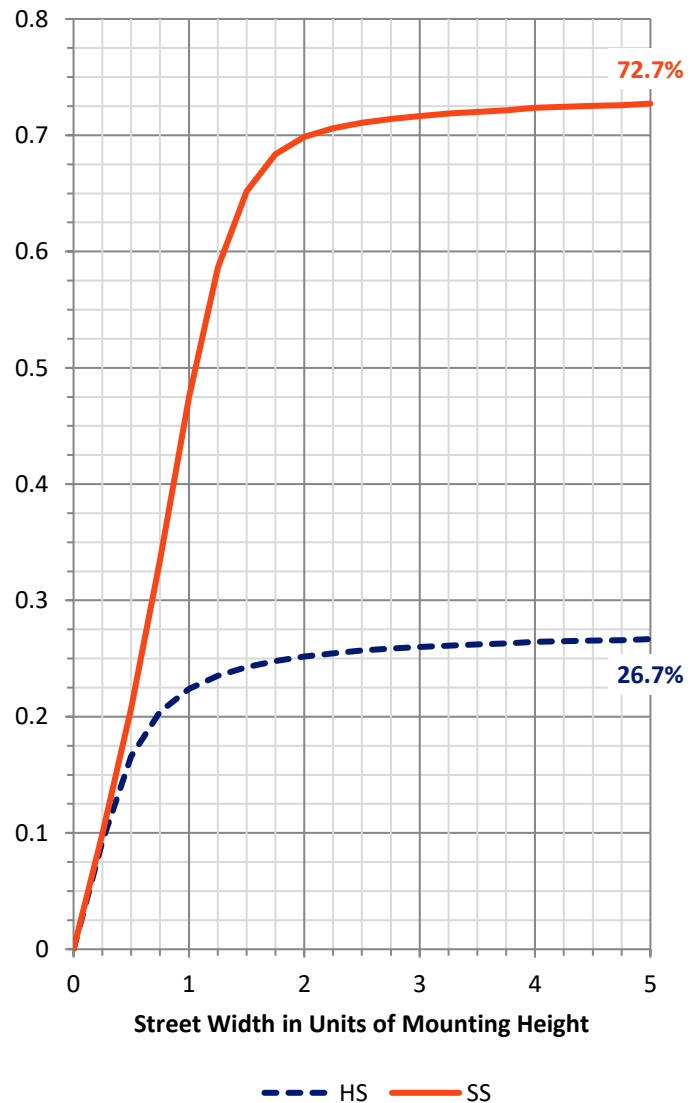
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2505.9	0.0	2505.9
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	6781.1	0.0	6781.1
	% Fixture	73.0	0.0	73.0
Total	Lumens	9287.0	0.0	9287.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.1
10°-20°	102.6	1.1
20°-30°	395.0	4.3
30°-40°	988.6	10.6
40°-50°	1840.6	19.8
50°-60°	2410.2	26.0
60°-70°	2160.7	23.3
70°-80°	1188.5	12.8
80°-90°	194.2	2.1
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°	9287.0	100.0
0°-180°	9287.0	100.0



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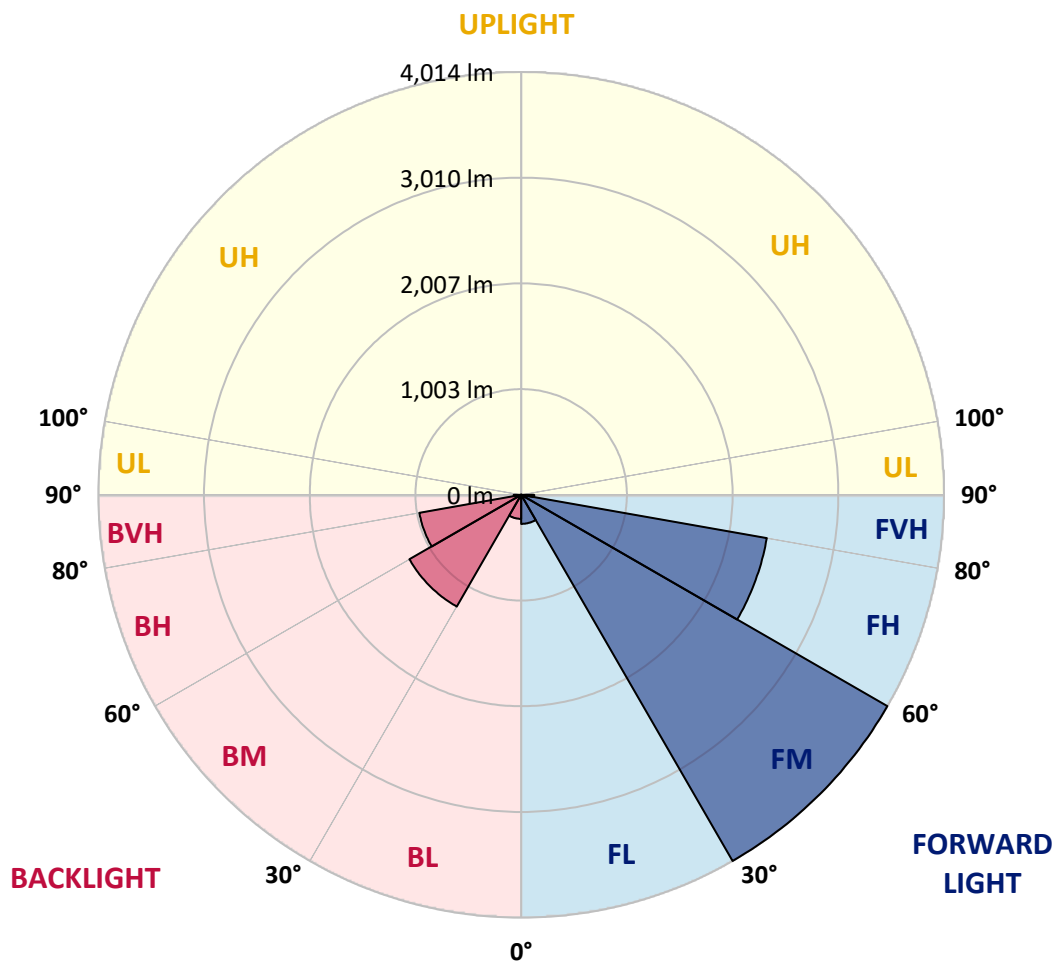
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.1	3.0			
FM (30°-60°)	4014.0	43.2			
FH (60°-80°)	2367.8	25.5			G2/5000
FVH (80°-90°)	123.2	1.3			G2/225
BL (0°-30°)	228.3	2.5	B1/500		
BM (30°-60°)	1225.3	13.2	B2/2500		
BH (60°-80°)	981.3	10.6	B2/1000		G2/1000
BVH (80°-90°)	71.0	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	5.0	5.0	6.0	7.0	7.0	6.0	5.0	4.0	3.0	2.0	2.0
5°	46.0	41.0	32.0	22.0	13.0	10.0	8.0	6.0	5.0	3.0	2.0
7.5°	225.0	224.0	223.0	224.0	219.0	86.0	16.0	10.0	8.0	4.0	3.0
10°	226.0	225.0	224.0	226.0	226.0	223.0	212.0	31.0	16.0	10.0	10.0
12.5°	402.0	388.0	268.0	236.0	228.0	228.0	228.0	204.0	194.0	143.0	173.0
15°	422.0	419.0	418.0	420.0	372.0	246.0	344.0	324.0	328.0	280.0	332.0
17.5°	444.0	439.0	435.0	436.0	419.0	483.0	452.0	462.0	466.0	354.0	388.0
20°	688.0	688.0	636.0	482.0	529.0	606.0	500.0	549.0	608.0	529.0	543.0
22.5°	781.0	774.0	767.0	727.0	665.0	661.0	727.0	637.0	676.0	777.0	718.0
25°	1062.0	1064.0	892.0	839.0	929.0	810.0	868.0	863.0	817.0	942.0	910.0
27.5°	1344.0	1348.0	1329.0	1183.0	1062.0	1042.0	988.0	1065.0	1053.0	1045.0	1120.0
30°	1607.0	1606.0	1520.0	1459.0	1394.0	1278.0	1218.0	1234.0	1282.0	1238.0	1397.0
32.5°	2236.0	2219.0	2127.0	1740.0	1640.0	1531.0	1514.0	1469.0	1565.0	1534.0	1681.0
35°	2654.9	2650.9	2484.0	2266.0	1950.0	1829.0	1831.0	1747.0	1826.0	1866.0	1889.0
37.5°	3590.9	3576.9	3322.9	2683.9	2435.0	2186.0	2140.0	2100.0	2018.0	2134.0	2133.0
40°	4094.9	4054.9	3830.9	3409.9	2858.9	2558.9	2463.0	2377.0	2318.0	2386.0	2377.0
42.5°	4486.9	4455.9	4297.9	3861.9	3411.9	3178.9	2820.9	2738.9	2619.9	2700.9	2658.9
45°	4767.9	4751.9	4610.9	4286.9	3941.9	3770.9	3224.9	3096.9	2993.9	2982.9	2957.9
47.5°	4821.9	4787.9	4745.9	4563.9	4416.9	4365.9	3724.9	3503.9	3333.9	3301.9	3259.9
50°	4566.9	4556.9	4611.9	4578.9	4757.9	4876.9	4301.9	3995.9	3757.9	3644.9	3563.9
52.5°	3975.9	3996.9	4207.9	4354.9	4800.9	5232.9	4843.9	4547.9	4222.9	3973.9	3864.9
55°	3158.9	3234.9	3547.9	3853.9	4531.9	5386.9	5357.9	5124.9	4705.9	4341.9	4180.9
57.5°	2426.0	2418.0	2820.9	3098.9	3985.9	5283.9	5691.9	5625.9	5213.9	4723.9	4482.9
60°	1572.0	1565.0	2041.0	2397.0	3071.9	4755.9	5864.9	6037.9	5690.9	5053.9	4754.9
62.5°	1026.0	1069.0	1250.0	1756.0	2194.0	3677.9	5806.9	6293.9	6144.9	5359.9	5015.9
65°	660.0	676.0	755.0	1094.0	1521.0	2399.0	5336.9	6255.9	6399.9	5563.9	5134.9
67.5°	492.0	496.0	534.0	680.0	1035.0	1254.0	4188.9	5727.9	6226.9	5577.9	5095.9
70°	432.0	440.0	477.0	513.0	770.0	789.0	2449.0	4604.9	5532.9	5376.9	4898.9
72.5°	369.0	377.0	426.0	478.0	589.0	592.0	916.0	3059.9	4331.9	4968.9	4582.9
75°	301.0	306.0	349.0	419.0	491.0	475.0	530.0	1383.0	2772.9	4129.9	4087.9
77.5°	243.0	247.0	278.0	334.0	435.0	364.0	395.0	593.0	1378.0	2981.9	3311.9
80°	176.0	178.0	208.0	256.0	327.0	325.0	295.0	376.0	569.0	1742.0	2193.0
82.5°	112.0	112.0	143.0	168.0	217.0	321.0	207.0	253.0	318.0	867.0	1055.0
85°	63.0	65.0	90.0	98.0	127.0	195.0	149.0	140.0	172.0	314.0	260.0
87.5°	12.0	15.0	26.0	28.0	33.0	46.0	54.0	49.0	51.0	73.0	43.0
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	2.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0
5°	2.0	3.0	4.0	4.0	5.0	7.0	8.0	8.0	9.0	10.0	9.0
7.5°	2.0	3.0	4.0	6.0	8.0	16.0	58.0	205.0	220.0	223.0	227.0
10°	9.0	9.0	10.0	11.0	45.0	215.0	231.0	233.0	235.0	236.0	237.0
12.5°	176.0	174.0	173.0	133.0	205.0	237.0	240.0	242.0	245.0	292.0	316.0
15°	336.0	337.0	320.0	307.0	357.0	260.0	277.0	428.0	443.0	448.0	451.0
17.5°	385.0	402.0	357.0	474.0	470.0	396.0	436.0	459.0	461.0	464.0	465.0
20°	547.0	543.0	520.0	594.0	509.0	651.0	540.0	465.0	585.0	644.0	645.0
22.5°	710.0	711.0	678.0	686.0	732.0	670.0	541.0	614.0	629.0	628.0	625.0
25°	915.0	907.0	891.0	763.0	864.0	729.0	720.0	595.0	597.0	645.0	676.0
27.5°	1119.0	1099.0	1036.0	989.0	897.0	811.0	680.0	644.0	694.0	691.0	692.0
30°	1401.0	1370.0	1196.0	1190.0	952.0	803.0	692.0	641.0	624.0	628.0	626.0
32.5°	1683.0	1627.0	1470.0	1419.0	1015.0	748.0	635.0	592.0	641.0	648.0	644.0
35°	1857.0	1811.0	1757.0	1554.0	1022.0	689.0	575.0	585.0	582.0	579.0	581.0
37.5°	2060.0	1985.0	1938.0	1600.0	964.0	615.0	548.0	540.0	588.0	589.0	585.0
40°	2287.0	2202.0	2097.0	1579.0	832.0	557.0	509.0	535.0	538.0	526.0	523.0
42.5°	2542.9	2419.0	2263.0	1551.0	690.0	523.0	494.0	497.0	499.0	486.0	481.0
45°	2800.9	2655.9	2405.0	1473.0	587.0	489.0	471.0	470.0	460.0	448.0	445.0
47.5°	3089.9	2919.9	2521.9	1337.0	514.0	463.0	456.0	437.0	440.0	429.0	428.0
50°	3387.9	3204.9	2588.9	1174.0	466.0	441.0	429.0	423.0	431.0	418.0	416.0
52.5°	3679.9	3526.9	2694.9	1028.0	425.0	422.0	417.0	419.0	422.0	408.0	407.0
55°	3996.9	3886.9	2791.9	889.0	389.0	396.0	413.0	412.0	411.0	398.0	398.0
57.5°	4287.9	4233.9	2890.9	782.0	361.0	373.0	404.0	404.0	399.0	388.0	387.0
60°	4625.9	4585.9	2984.9	686.0	337.0	352.0	393.0	394.0	385.0	377.0	375.0
62.5°	4932.9	4902.9	3059.9	585.0	311.0	334.0	377.0	384.0	371.0	365.0	365.0
65°	5148.9	5127.9	3100.9	460.0	286.0	316.0	360.0	370.0	353.0	352.0	352.0
67.5°	5167.9	5154.9	3015.9	384.0	268.0	299.0	339.0	349.0	334.0	337.0	331.0
70°	4990.9	4895.9	2774.9	320.0	250.0	277.0	314.0	326.0	311.0	312.0	302.0
72.5°	4616.9	4342.9	2349.0	272.0	230.0	253.0	287.0	298.0	284.0	281.0	270.0
75°	3987.9	3564.9	1635.0	236.0	209.0	227.0	254.0	265.0	256.0	241.0	238.0
77.5°	3088.9	2612.9	1002.0	204.0	190.0	200.0	220.0	226.0	217.0	199.0	196.0
80°	1947.0	1567.0	483.0	177.0	165.0	170.0	183.0	188.0	181.0	163.0	153.0
82.5°	892.0	677.0	255.0	143.0	134.0	134.0	147.0	143.0	137.0	120.0	97.0
85°	208.0	214.0	118.0	88.0	85.0	76.0	88.0	87.0	78.0	60.0	50.0
87.5°	34.0	38.0	30.0	27.0	22.0	17.0	19.0	16.0	14.0	7.0	3.0
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)