

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: P416838

Luminaire Tested: **LXF.LXT-PA1-80-750-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
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-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9220.9 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

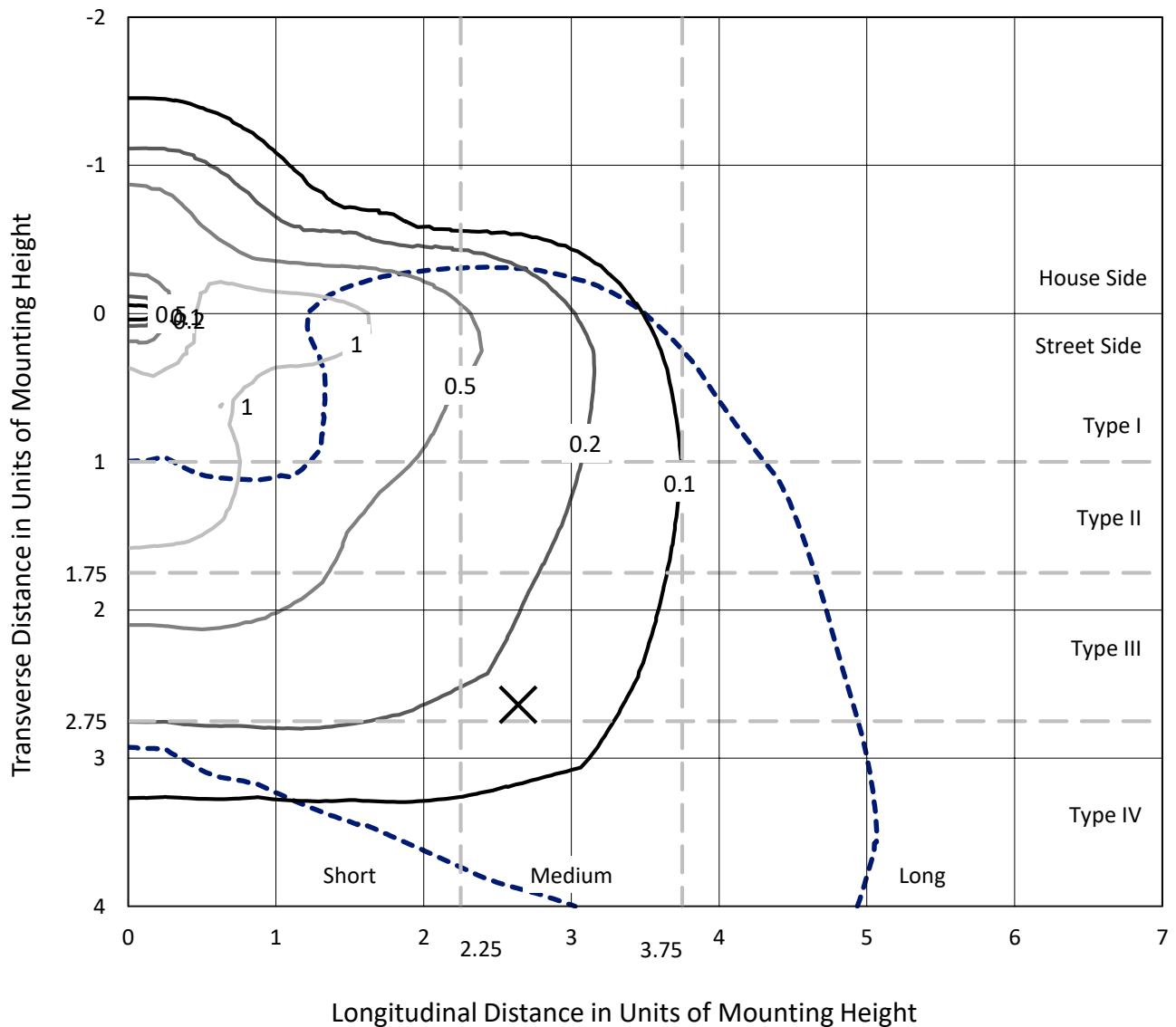
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

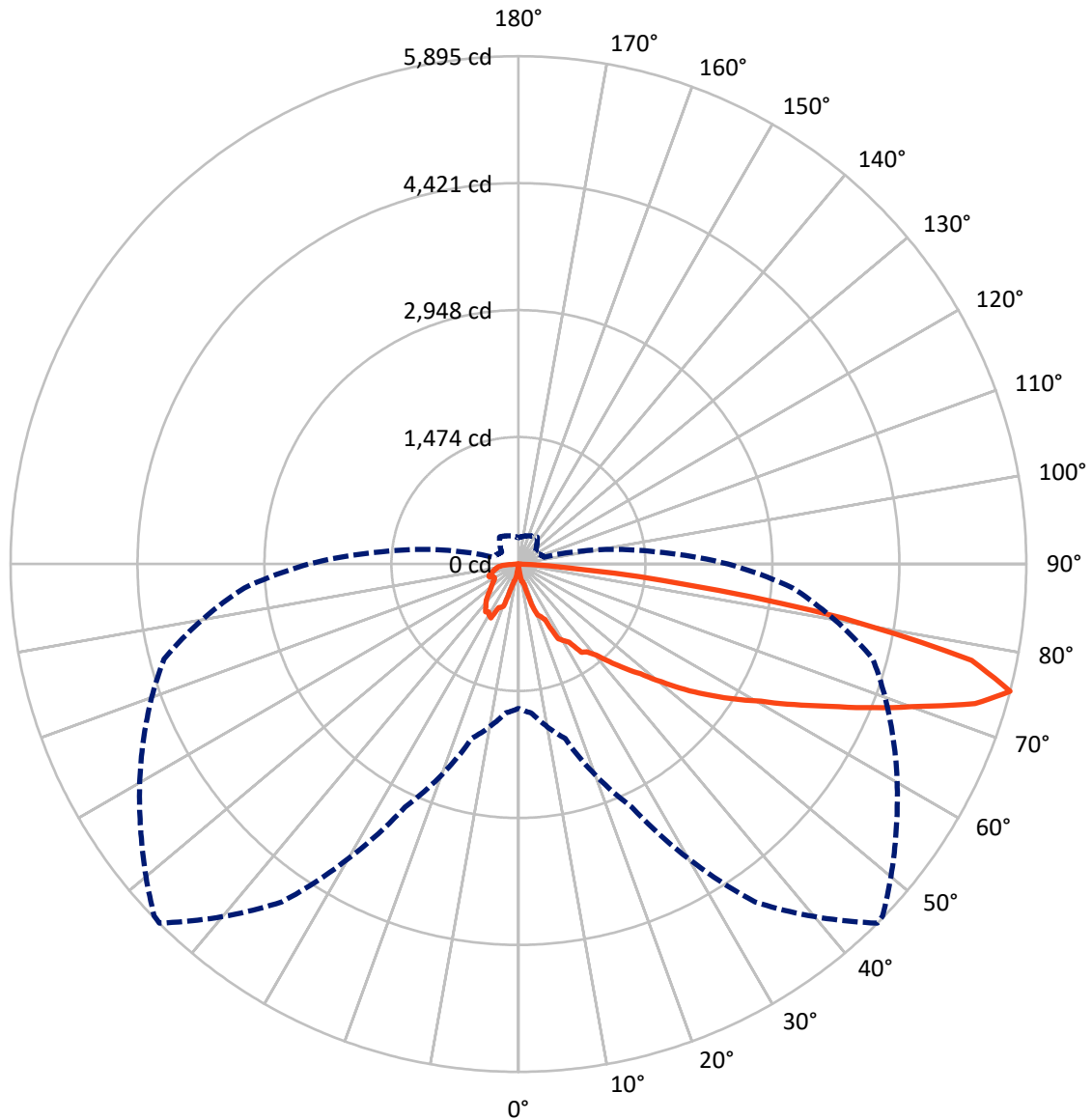
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



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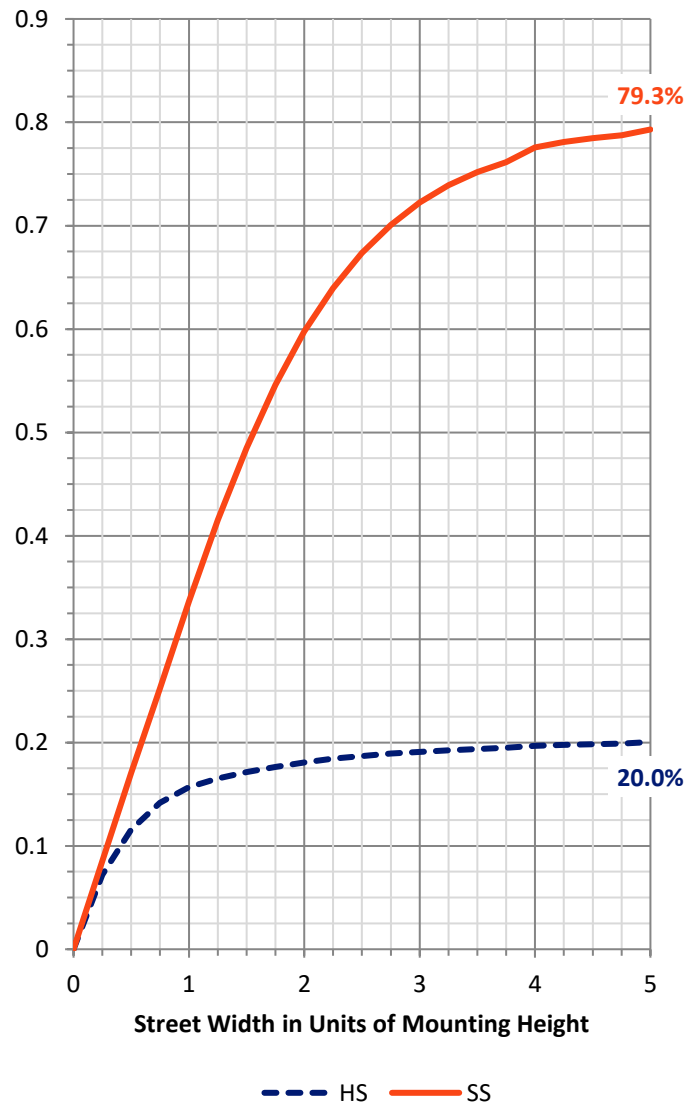
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1891.2	0.0	1891.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	7329.8	0.0	7329.8
	% Fixture	79.5	0.0	79.5
Total	Lumens	9220.9	0.0	9220.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.1
10°-20°	95.2	1.0
20°-30°	354.3	3.8
30°-40°	730.0	7.9
40°-50°	1157.5	12.6
50°-60°	1829.8	19.8
60°-70°	2570.7	27.9
70°-80°	2140.0	23.2
80°-90°	337.4	3.7
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°	9220.9	100.0
0°-180°	9220.9	100.0

Coefficient of Utilization



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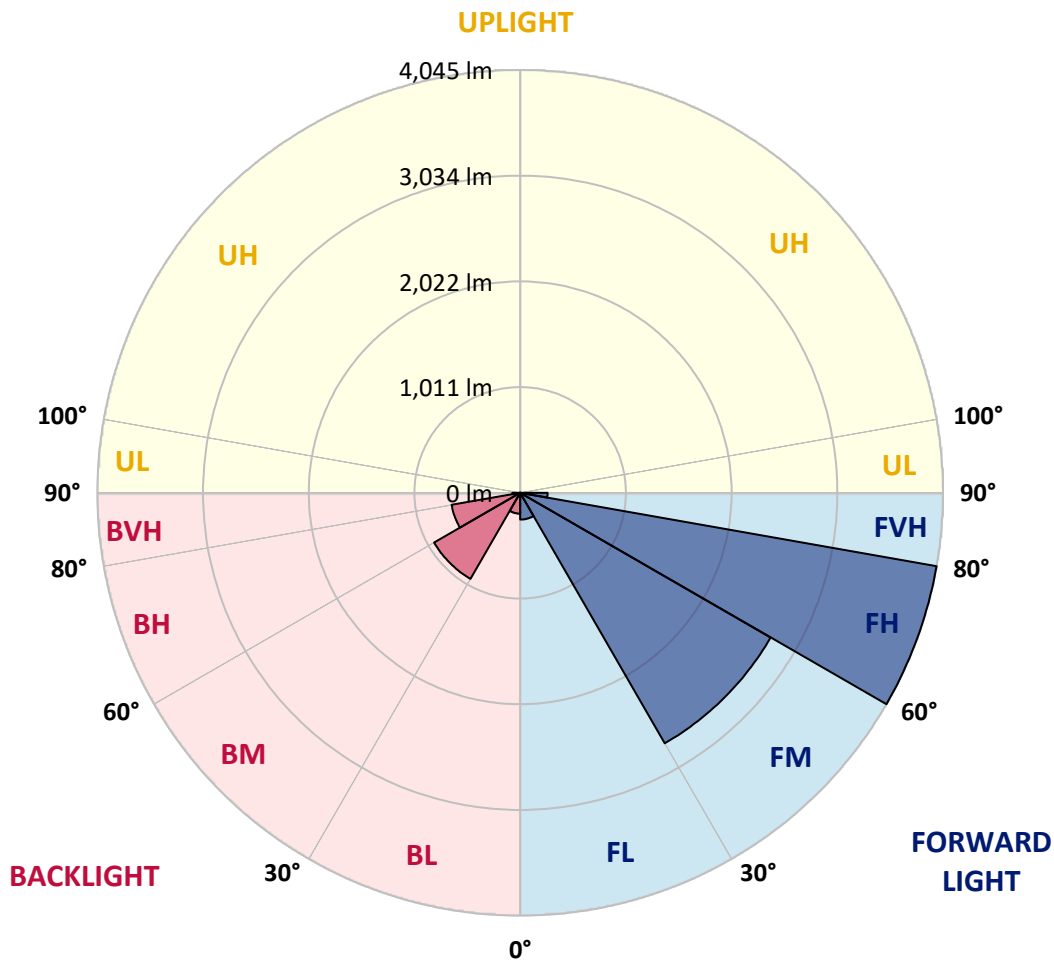
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.0	2.8			
FM	(30°-60°)	2766.7	30.0			
FH	(60°-80°)	4045.0	43.9			G2/5000
FVH	(80°-90°)	262.0	2.8			G3/500
BL	(0°-30°)	199.5	2.2	B1/500		
BM	(30°-60°)	950.5	10.3	B1/1000		
BH	(60°-80°)	665.8	7.2	B2/1000		G2/1000
BVH	(80°-90°)	75.4	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-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	5.0	5.0	5.0	5.0	5.0	4.0	4.0	3.0	4.0	4.0	4.0
5°	71.0	67.0	53.0	47.0	39.0	16.0	13.0	6.0	5.0	5.0	4.0
7.5°	211.0	209.0	206.0	199.0	190.0	119.0	103.0	37.0	7.0	5.0	4.0
10°	233.0	229.0	224.0	217.0	209.0	199.0	198.0	182.0	33.0	11.0	9.0
12.5°	458.0	450.0	376.0	272.0	225.0	213.0	213.0	206.0	149.0	52.0	122.0
15°	492.0	488.0	474.0	456.0	429.0	247.0	242.0	322.0	397.0	278.0	295.0
17.5°	553.0	544.0	501.0	479.0	459.0	498.0	495.0	461.0	435.0	308.0	331.0
20°	771.0	766.0	748.0	536.0	494.0	630.0	632.0	523.0	473.0	545.0	541.0
22.5°	789.0	788.0	775.0	743.0	783.0	661.0	662.0	695.0	691.0	723.0	656.0
25°	1032.0	1029.0	835.0	766.0	855.0	712.0	744.0	862.0	770.0	784.0	819.0
27.5°	1059.0	1057.0	1046.0	998.0	885.0	981.0	981.0	891.0	981.0	1027.0	1033.0
30°	1204.1	1166.1	1089.1	1066.0	1031.0	1030.0	1033.0	1032.0	1135.1	1075.0	1135.1
32.5°	1416.1	1408.1	1380.1	1156.1	1146.1	1080.1	1114.1	1192.1	1185.1	1367.1	1445.1
35°	1722.1	1613.1	1514.1	1334.1	1190.1	1258.1	1263.1	1236.1	1380.1	1438.1	1548.1
37.5°	2149.1	2119.1	1979.1	1502.1	1326.1	1293.1	1296.1	1384.1	1467.1	1531.1	1654.1
40°	2460.1	2444.1	2347.1	1839.1	1454.1	1388.1	1395.1	1452.1	1529.1	1643.1	1771.1
42.5°	2758.1	2758.1	2701.1	2127.1	1729.1	1550.1	1545.1	1557.1	1612.1	1732.1	1944.1
45°	2952.1	2941.1	2989.1	2398.1	1934.1	1724.1	1705.1	1702.1	1722.1	1864.1	2176.1
47.5°	3147.1	3117.1	3163.1	2672.1	2202.1	1904.1	1906.1	1869.1	1896.1	2114.1	2493.1
50°	3353.2	3359.2	3353.2	2903.1	2465.1	2149.1	2132.1	2085.1	2139.1	2407.1	2848.1
52.5°	3647.2	3626.2	3567.2	3197.1	2801.1	2421.1	2394.1	2326.1	2453.1	2752.1	3292.2
55°	3861.2	3841.2	3825.2	3512.2	3059.1	2684.1	2668.1	2593.1	2831.1	3100.1	3750.2
57.5°	4094.2	4070.2	4116.2	3942.2	3464.2	2959.1	2938.1	2892.1	3219.1	3497.2	4216.2
60°	4251.2	4252.2	4378.2	4252.2	3802.2	3234.2	3214.1	3248.2	3574.2	3861.2	4719.2
62.5°	4251.2	4284.2	4561.2	4591.2	4164.2	3593.2	3558.2	3577.2	3960.2	4243.2	5132.2
65°	3848.2	3889.2	4535.2	4689.2	4527.2	3981.2	3964.2	3952.2	4325.2	4545.2	5456.3
67.5°	3437.2	3488.2	4141.2	4694.2	4824.2	4452.2	4390.2	4289.2	4640.2	4770.2	5630.3
70°	3152.1	3194.1	3713.2	4533.2	5016.2	4946.2	4905.2	4639.2	4851.2	4913.2	5434.3
72.5°	2689.1	2693.1	3155.1	4193.2	5145.2	5543.3	5447.3	5027.2	4970.2	4820.2	4608.2
75°	1676.1	1737.1	2097.1	3112.1	4789.2	5895.3	5877.3	5353.2	4800.2	4259.2	3195.1
77.5°	624.0	660.0	877.0	1598.1	3427.2	5377.2	5393.3	4999.2	4060.2	3086.1	1716.1
80°	203.0	218.0	290.0	515.0	1522.1	3827.2	3952.2	3546.2	2490.1	1568.1	723.0
82.5°	113.0	109.0	168.0	267.0	650.0	1983.1	2065.1	1705.1	1174.1	656.0	270.0
85°	52.0	54.0	80.0	145.0	347.0	553.0	597.0	583.0	445.0	270.0	99.0
87.5°	11.0	13.0	18.0	34.0	54.0	47.0	34.0	60.0	87.0	64.0	17.0
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	4.0	4.0	3.0	3.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0
5°	4.0	4.0	3.0	3.0	3.0	3.0	4.0	7.0	8.0	9.0	8.0
7.5°	4.0	4.0	4.0	4.0	5.0	10.0	47.0	144.0	153.0	156.0	160.0
10°	9.0	8.0	8.0	9.0	31.0	151.0	182.0	192.0	197.0	200.0	199.0
12.5°	139.0	138.0	51.0	31.0	145.0	191.0	196.0	202.0	212.0	222.0	218.0
15°	294.0	293.0	270.0	280.0	282.0	208.0	212.0	347.0	370.0	385.0	390.0
17.5°	320.0	323.0	314.0	387.0	396.0	315.0	353.0	387.0	395.0	400.0	401.0
20°	594.0	534.0	457.0	433.0	422.0	520.0	394.0	398.0	514.0	551.0	555.0
22.5°	653.0	648.0	606.0	624.0	527.0	542.0	510.0	538.0	590.0	601.0	601.0
25°	843.0	834.0	692.0	650.0	669.0	557.0	644.0	586.0	605.0	625.0	627.0
27.5°	1036.0	1025.0	924.0	731.0	663.0	703.0	654.0	707.0	765.0	793.0	794.0
30°	1126.1	1111.1	964.0	824.0	690.0	688.0	687.0	782.0	777.0	795.0	800.0
32.5°	1496.1	1472.1	1232.1	810.0	716.0	654.0	729.0	761.0	875.0	931.0	937.0
35°	1586.1	1556.1	1238.1	896.0	676.0	674.0	676.0	781.0	843.0	883.0	892.0
37.5°	1689.1	1648.1	1224.1	840.0	692.0	628.0	643.0	705.0	840.0	930.0	937.0
40°	1817.1	1754.1	1220.1	784.0	645.0	594.0	591.0	674.0	734.0	789.0	794.0
42.5°	1994.1	1893.1	1214.1	726.0	590.0	553.0	558.0	594.0	642.0	637.0	645.0
45°	2229.1	2066.1	1204.1	675.0	534.0	502.0	499.0	525.0	547.0	515.0	506.0
47.5°	2523.1	2280.1	1220.1	626.0	482.0	452.0	453.0	464.0	468.0	433.0	425.0
50°	2857.1	2522.1	1237.1	572.0	440.0	417.0	412.0	416.0	410.0	376.0	373.0
52.5°	3255.2	2806.1	1246.1	521.0	406.0	388.0	382.0	379.0	370.0	347.0	344.0
55°	3716.2	3147.1	1265.1	480.0	378.0	361.0	358.0	354.0	351.0	338.0	336.0
57.5°	4188.2	3523.2	1254.1	438.0	351.0	336.0	342.0	349.0	357.0	352.0	351.0
60°	4621.2	3823.2	1118.1	401.0	325.0	321.0	347.0	380.0	386.0	391.0	390.0
62.5°	4945.2	3974.2	887.0	369.0	307.0	322.0	385.0	431.0	425.0	412.0	409.0
65°	5059.2	3932.2	683.0	345.0	298.0	349.0	425.0	449.0	415.0	391.0	386.0
67.5°	4983.2	3725.2	529.0	325.0	293.0	372.0	439.0	432.0	393.0	375.0	368.0
70°	4594.2	3294.2	420.0	308.0	288.0	358.0	432.0	412.0	375.0	359.0	348.0
72.5°	3759.2	2605.1	360.0	289.0	267.0	329.0	410.0	385.0	359.0	338.0	328.0
75°	2431.1	1602.1	313.0	267.0	239.0	298.0	382.0	359.0	337.0	316.0	306.0
77.5°	1170.1	728.0	274.0	240.0	213.0	275.0	359.0	332.0	310.0	289.0	277.0
80°	493.0	344.0	234.0	213.0	194.0	258.0	334.0	303.0	278.0	263.0	250.0
82.5°	240.0	190.0	178.0	173.0	169.0	235.0	307.0	269.0	243.0	229.0	200.0
85°	81.0	82.0	110.0	107.0	119.0	188.0	251.0	204.0	182.0	158.0	148.0
87.5°	8.0	11.0	15.0	19.0	39.0	52.0	86.0	70.0	55.0	21.0	14.0
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)