

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: P414450

Luminaire Tested: **LXF.LXT-PA1-20-830-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-830-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2148 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

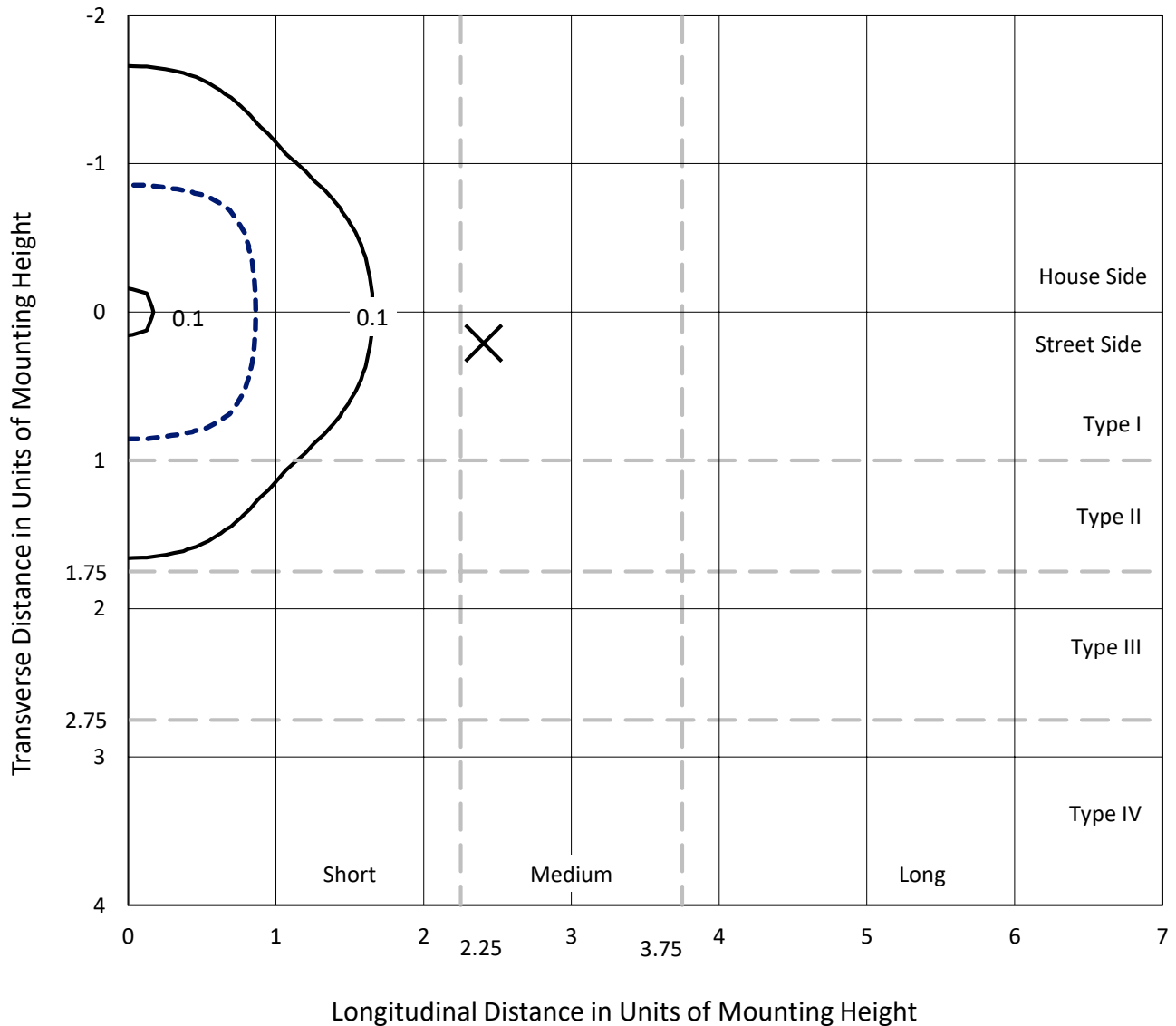
Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

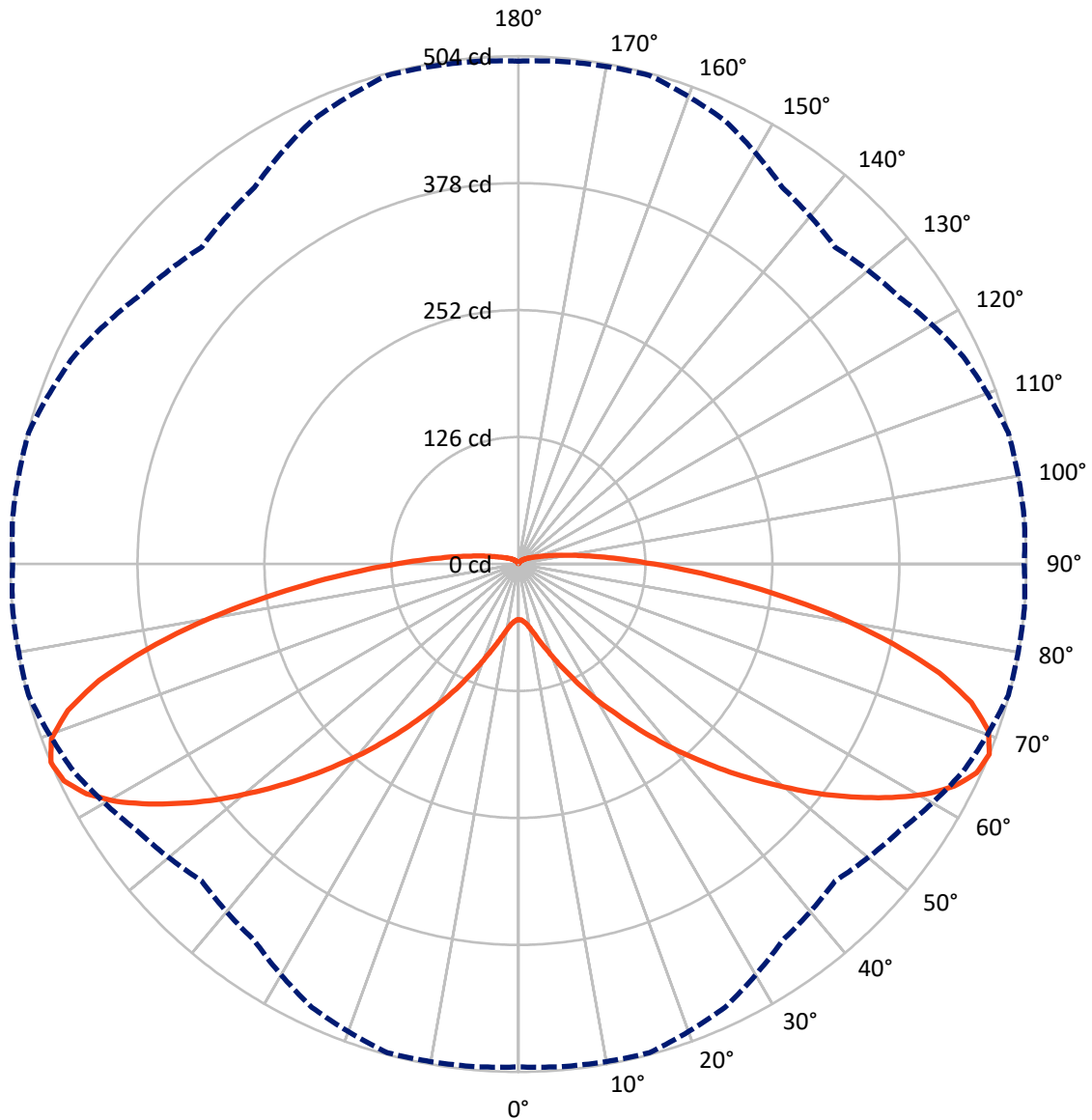
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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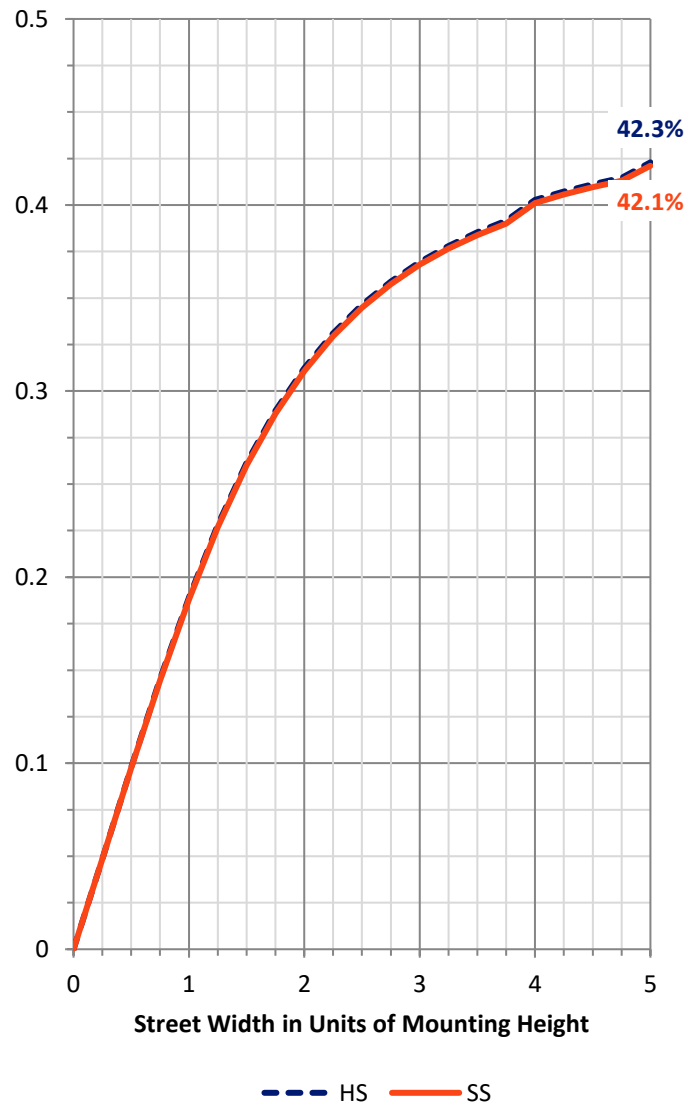
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	974.0	100.0	1074.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	974.0	100.0	1074.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	1948.0	200.0	2148.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.3
10°-20°	23.3	1.1
20°-30°	59.0	2.7
30°-40°	121.5	5.7
40°-50°	218.5	10.2
50°-60°	349.2	16.3
60°-70°	467.2	21.8
70°-80°	442.7	20.6
80°-90°	260.8	12.1
90°-100°	112.7	5.2
100°-110°	48.0	2.2
110°-120°	22.1	1.0
120°-130°	10.6	0.5
130°-140°	4.7	0.2
140°-150°	1.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1948.0	90.7
0°-180°	2148.0	100.0



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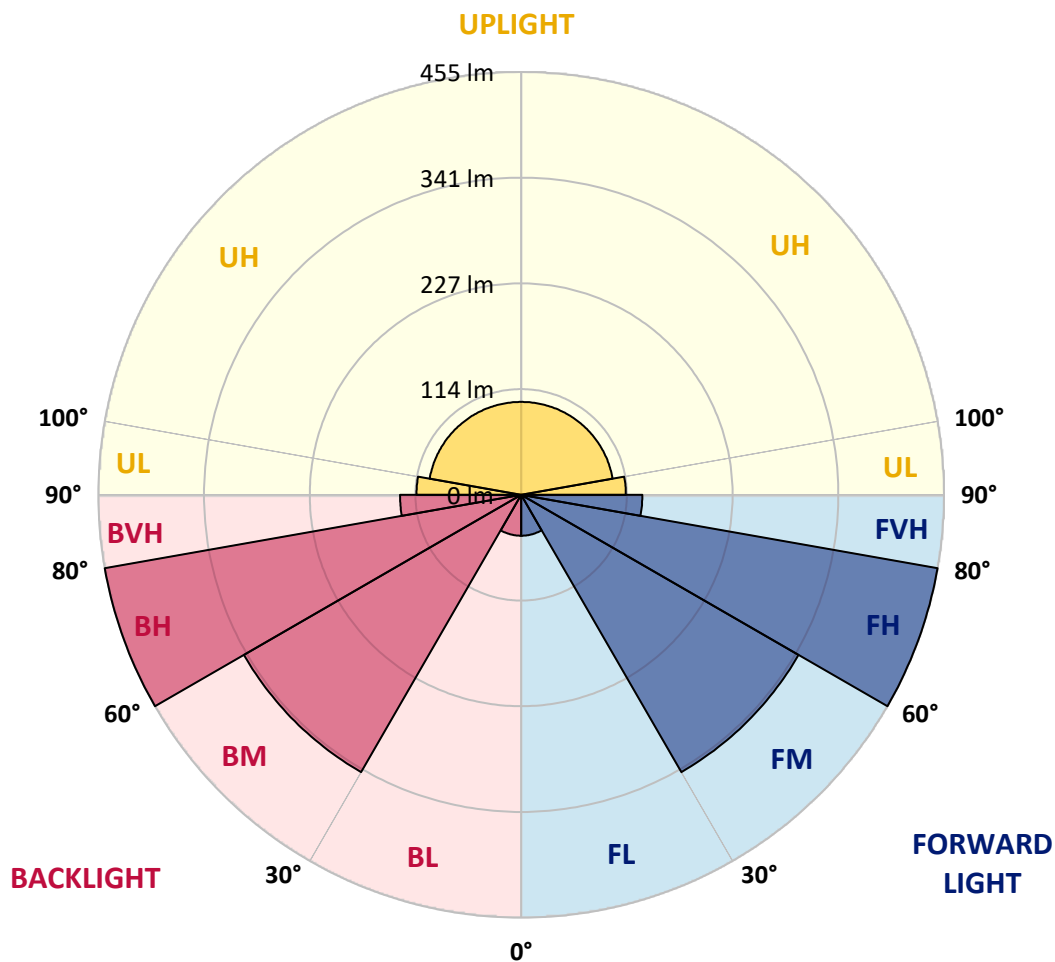
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	44.1	2.1			
FM	(30°-60°)	344.6	16.0			
FH	(60°-80°)	455.0	21.2			G0/660
FVH	(80°-90°)	130.4	6.1			G2/225
BL	(0°-30°)	44.1	2.1	B0/110		
BM	(30°-60°)	344.6	16.0	B1/1000		
BH	(60°-80°)	455.0	21.2	B1/500		G0/660
BVH	(80°-90°)	130.4	6.1			G2/225
UL	(90°-100°)	112.7	5.2		U3/500	
UH	(100°-180°)	100.0	4.7		U3/500	

BUG Rating: B1-U3-G2

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
2.5°	55.6	55.3	55.6	55.6	55.8	55.8	55.8	55.8	55.6	55.6	55.6
5°	57.5	57.5	57.5	57.5	57.7	57.7	57.7	57.5	57.5	57.5	57.5
7.5°	61.1	60.8	61.1	60.8	60.8	60.6	60.8	60.6	60.4	60.4	60.4
10°	65.6	65.6	65.6	65.4	65.4	65.4	64.9	64.9	64.9	65.1	64.9
12.5°	73.0	72.6	72.6	71.6	71.1	70.9	70.6	70.6	71.4	71.4	70.9
15°	81.7	81.4	81.4	80.2	79.3	77.8	78.1	79.0	79.0	79.5	79.3
17.5°	92.0	91.7	91.0	89.8	88.6	87.7	87.2	87.7	88.1	88.4	88.6
20°	103.2	103.0	102.0	100.8	99.6	99.1	97.5	98.2	98.7	99.1	98.9
22.5°	115.2	115.2	114.2	112.6	111.4	110.4	109.7	109.0	110.6	111.6	111.8
25°	129.8	129.3	127.6	125.7	124.3	123.6	122.6	122.6	123.8	125.7	126.2
27.5°	145.1	144.7	142.3	140.1	138.2	136.5	136.0	136.7	138.9	141.8	141.8
30°	162.1	161.2	159.0	155.7	152.6	150.9	151.4	152.6	155.7	159.0	158.8
32.5°	180.8	179.1	176.7	172.9	168.4	166.0	166.7	170.0	173.2	176.7	177.2
35°	200.7	200.5	196.6	191.6	185.8	182.0	183.4	188.0	192.8	197.8	198.5
37.5°	221.0	221.8	217.2	211.7	203.3	198.8	201.9	208.4	214.3	219.9	220.3
40°	246.0	245.2	240.7	232.5	222.5	217.5	220.1	229.2	236.9	243.8	244.3
42.5°	271.6	269.7	265.8	256.0	242.6	238.1	241.9	252.2	262.5	268.2	268.5
45°	295.8	296.5	292.2	280.4	265.6	258.6	264.2	276.4	288.3	294.6	295.3
47.5°	326.2	324.3	320.4	305.3	288.6	281.6	287.9	302.7	315.9	321.6	321.4
50°	355.9	354.7	349.2	333.4	314.4	306.1	312.3	330.5	344.9	349.9	351.1
52.5°	384.1	383.7	378.9	361.4	341.0	330.7	339.4	358.3	374.8	379.8	380.3
55°	413.1	411.7	408.1	389.9	366.7	355.2	365.9	387.0	404.0	408.8	409.0
57.5°	439.0	439.9	437.1	417.9	391.1	380.1	392.0	415.5	432.8	437.3	438.0
60°	464.8	465.1	462.9	444.3	415.8	403.3	417.2	441.6	460.1	464.1	464.4
62.5°	485.2	485.7	484.0	463.7	435.2	423.2	438.5	463.9	482.8	485.7	485.4
65°	497.7	499.1	498.1	479.7	449.3	438.3	454.3	480.9	498.1	499.8	499.1
67.5°	499.1	500.8	502.2	485.4	456.5	444.7	461.7	487.1	503.4	504.1	502.0
70°	488.6	490.2	493.6	479.7	452.9	443.1	459.3	482.1	495.7	494.8	492.4
72.5°	461.5	465.1	470.1	460.8	438.3	430.1	446.2	464.4	473.7	470.1	466.8
75°	422.7	426.3	435.9	430.6	413.4	408.8	420.8	434.4	437.1	431.8	427.2
77.5°	375.5	380.1	388.9	393.0	381.5	377.0	387.0	394.2	391.3	379.8	376.5
80°	320.4	327.6	337.0	343.4	340.6	339.1	344.1	343.4	332.9	323.8	318.0
82.5°	270.1	271.6	286.0	294.1	295.1	295.5	297.0	288.3	276.1	263.9	258.6
85°	220.8	221.3	233.3	245.0	249.5	251.0	248.4	236.9	224.2	210.5	206.9
87.5°	177.0	177.7	188.2	200.2	208.1	209.1	204.0	192.8	177.0	164.8	161.7
90°	139.9	142.3	152.8	162.6	171.0	172.4	165.2	153.3	138.7	126.9	125.0
92.5°	111.8	113.0	122.6	131.7	139.6	139.9	134.8	122.6	109.7	99.1	96.8
95°	89.8	90.8	98.4	106.8	113.3	114.7	109.0	98.2	86.2	77.1	76.6
97.5°	71.6	72.8	78.8	87.7	92.4	93.4	89.6	79.5	68.5	60.4	60.4
100°	57.5	58.2	63.5	70.9	75.9	76.9	73.0	64.2	54.6	47.4	46.9
102.5°	46.7	47.2	51.5	58.2	62.7	63.7	60.4	53.2	43.8	38.1	37.8
105°	38.3	38.6	41.9	48.1	52.4	53.2	50.1	43.8	35.4	30.7	30.4
107.5°	31.4	31.6	34.2	40.0	44.1	44.8	42.2	35.9	28.7	25.4	24.9
110°	26.3	26.6	28.5	33.0	37.1	38.1	35.4	29.9	23.7	20.8	20.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	22.3	22.5	23.9	27.8	31.4	32.6	29.9	24.9	19.9	17.7	17.5
115°	18.9	19.2	20.1	23.5	26.3	27.3	25.4	20.8	16.8	15.1	15.1
117.5°	16.5	16.8	17.2	19.9	22.5	23.2	21.3	17.5	14.1	13.2	13.2
120°	14.6	14.6	14.8	16.8	18.9	19.6	18.0	14.8	12.2	11.5	11.5
122.5°	12.7	12.7	12.9	14.4	16.0	16.5	15.1	12.5	10.5	10.3	10.1
125°	11.3	11.3	11.3	12.2	13.7	13.9	12.7	10.5	9.3	9.1	9.1
127.5°	9.8	9.8	9.8	10.3	11.3	11.5	10.5	8.9	8.1	7.9	7.9
130°	8.6	8.6	8.6	8.9	9.3	9.6	8.6	7.7	7.2	7.2	7.2
132.5°	7.7	7.7	7.4	7.4	7.7	7.7	7.2	6.5	6.2	6.2	6.2
135°	6.7	6.7	6.5	6.2	6.2	6.0	5.5	5.3	5.5	5.5	5.5
137.5°	5.7	5.7	5.5	5.3	5.0	4.8	4.6	4.3	4.6	4.8	4.8
140°	4.8	4.8	4.6	4.1	3.8	3.6	3.4	3.6	3.8	4.1	4.1
142.5°	3.8	3.8	3.8	3.4	2.9	2.6	2.6	2.9	3.1	3.4	3.4
145°	3.1	3.1	2.9	2.6	2.2	1.9	1.9	2.2	2.6	2.6	2.6
147.5°	2.4	2.4	2.2	1.9	1.4	1.2	1.4	1.7	1.9	2.2	2.2
150°	1.7	1.7	1.7	1.4	1.0	1.0	1.0	1.2	1.4	1.4	1.4
152.5°	1.0	1.0	1.0	1.0	0.7	0.5	0.7	1.0	1.0	1.0	1.0
155°	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.7	0.7	0.7	0.7
157.5°	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
160°	0.0	0.0	0.2	0.2	0.5	0.5	0.5	0.5	0.2	0.2	0.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)