

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: P254526

Luminaire Tested: **LXF.LXT-AF24-20-D-U-5WQ-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2509.3 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U2 - G1

Input Watts (W): 21
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

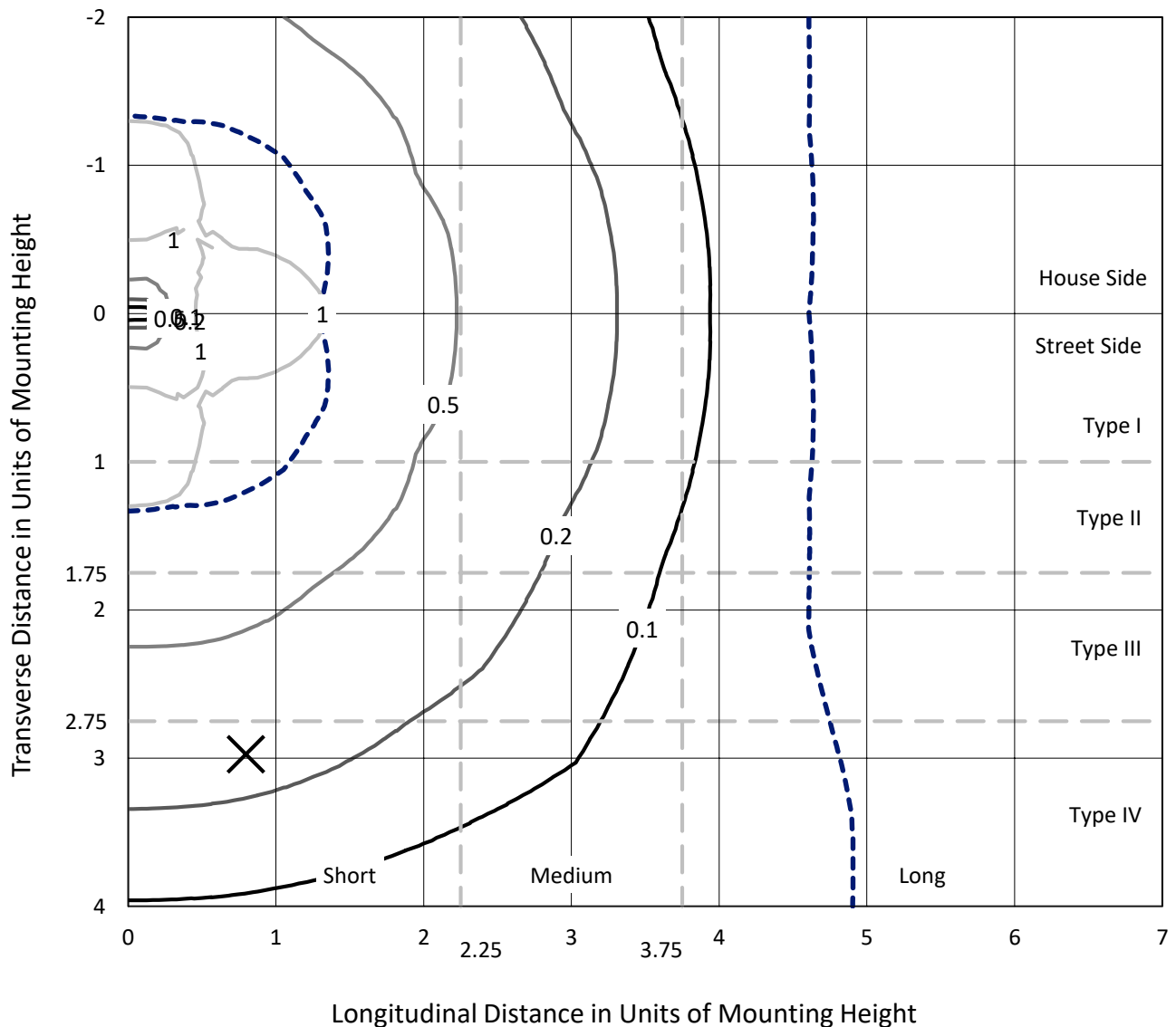


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

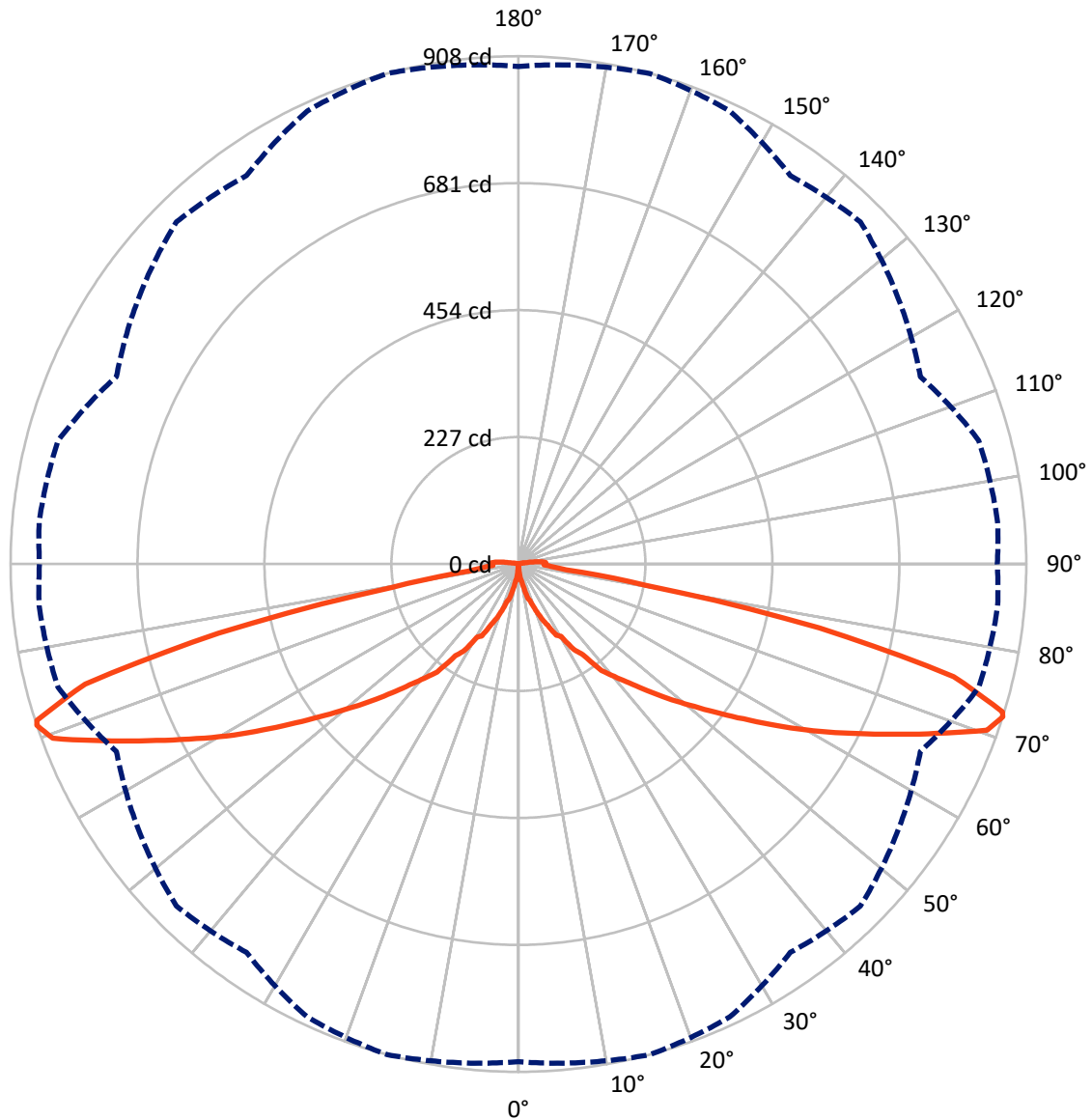


Based on 10 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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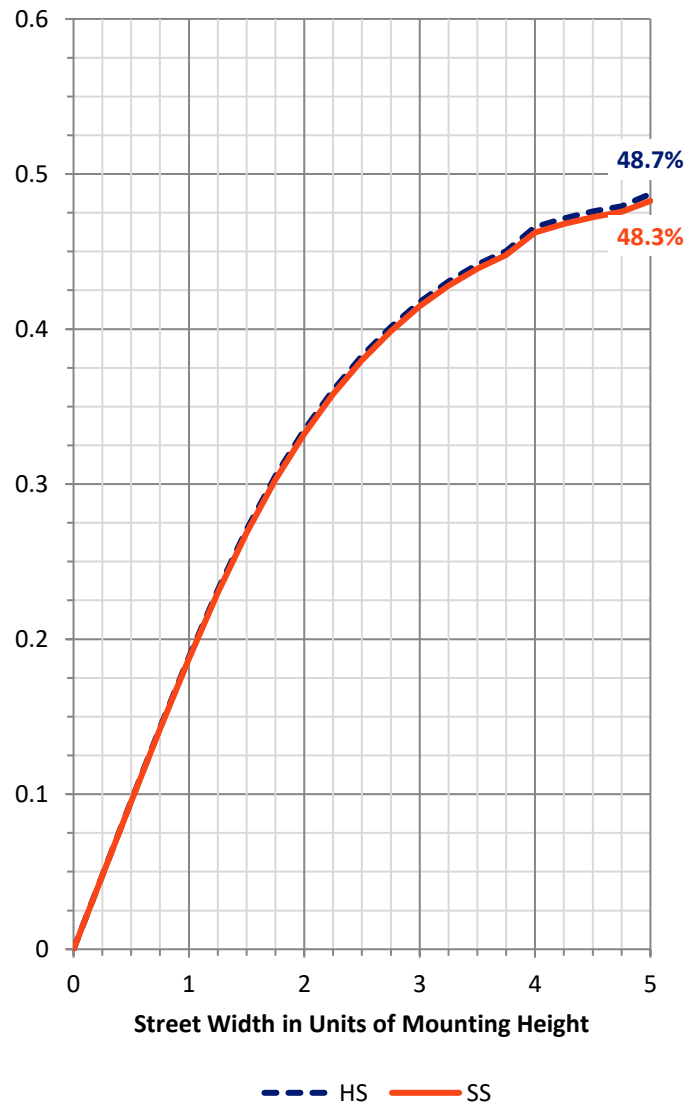
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1226.4	28.3	1254.6
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	1226.4	28.3	1254.6
	% Fixture	48.9	1.1	50.0
Total	Lumens	2452.7	56.6	2509.3
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	15.1	0.6
20°-30°	56.8	2.3
30°-40°	128.4	5.1
40°-50°	233.3	9.3
50°-60°	418.3	16.7
60°-70°	707.0	28.2
70°-80°	759.5	30.3
80°-90°	133.2	5.3
90°-100°	46.3	1.8
100°-110°	6.2	0.2
110°-120°	1.7	0.1
120°-130°	1.1	0.0
130°-140°	0.7	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2452.7	97.7
0°-180°	2509.3	100.0



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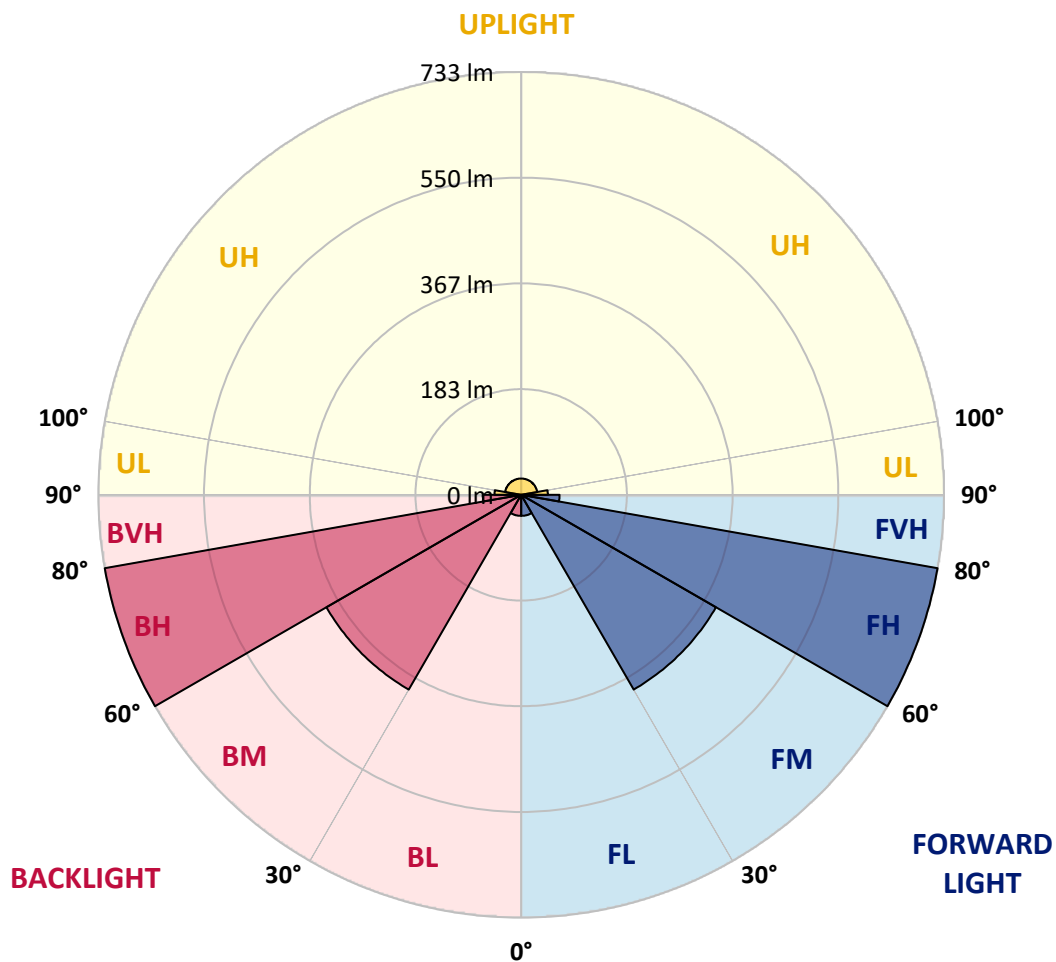
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	36.5	1.5			
FM	(30°-60°)	390.0	15.5			
FH	(60°-80°)	733.3	29.2			G1/1800
FVH	(80°-90°)	66.6	2.7			G1/100
BL	(0°-30°)	36.5	1.5	B0/110		
BM	(30°-60°)	390.0	15.5	B1/1000		
BH	(60°-80°)	733.3	29.2	B2/1000		G1/1800
BVH	(80°-90°)	66.6	2.7			G1/100
UL	(90°-100°)	46.3	1.8		U2/50	
UH	(100°-180°)	28.3	1.1		U2/50	

BUG Rating: B2-U2-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.3	2.3	2.3	1.9	1.9	1.9	1.9	1.7	1.9	1.9	1.9
5°	12.7	13.3	11.9	11.6	5.3	4.2	2.6	1.9	1.9	1.9	1.9
7.5°	28.5	28.5	27.6	24.9	18.3	15.2	8.5	3.1	2.3	1.9	1.9
10°	32.7	32.2	30.8	30.8	29.7	27.1	16.1	7.7	3.4	3.1	3.1
12.5°	49.7	49.7	45.4	41.7	33.0	30.0	25.4	18.1	18.6	30.0	34.2
15°	66.4	66.4	63.8	59.3	47.2	35.0	45.7	53.6	45.4	48.8	49.1
17.5°	73.7	73.4	70.0	66.1	61.0	67.2	63.5	61.6	53.6	53.9	55.0
20°	102.2	101.1	88.4	81.0	71.2	86.1	75.7	70.9	90.6	97.4	99.6
22.5°	109.3	108.4	105.1	98.2	102.8	92.4	93.2	102.5	104.1	107.6	108.4
25°	129.3	129.0	121.1	108.9	118.3	105.6	120.0	109.6	116.3	135.5	142.9
27.5°	147.7	147.1	144.2	130.4	124.8	137.0	127.9	142.3	157.2	161.5	164.9
30°	165.4	164.6	150.2	152.2	139.2	145.2	155.9	158.4	164.1	175.0	175.6
32.5°	194.0	192.0	182.4	169.4	165.7	155.3	167.5	168.0	207.2	227.6	232.4
35°	222.5	220.5	199.1	193.1	180.4	184.3	179.3	205.0	221.1	240.3	243.7
37.5°	259.7	257.8	241.7	213.7	201.3	195.7	208.7	219.1	232.9	258.6	258.3
40°	280.1	279.3	264.5	242.5	221.7	215.1	221.9	231.2	252.7	275.9	278.3
42.5°	304.3	302.4	290.8	265.1	247.7	237.7	236.3	254.7	277.5	302.1	302.7
45°	333.7	330.9	322.7	288.9	271.6	263.7	263.4	282.6	309.1	333.7	336.6
47.5°	366.7	364.2	358.9	319.4	302.7	292.5	299.0	311.2	338.3	367.6	370.7
50°	402.3	400.9	396.4	358.5	344.7	328.4	335.7	343.3	375.8	404.1	404.9
52.5°	440.5	441.3	439.4	402.6	387.4	375.5	383.7	382.3	413.9	446.6	445.8
55°	488.2	488.2	489.0	459.1	444.2	423.5	437.6	434.2	463.0	492.1	491.2
57.5°	541.9	542.1	544.6	520.9	508.2	491.2	500.6	494.1	512.4	537.9	535.3
60°	595.8	598.0	605.9	595.8	579.4	565.0	578.0	545.4	567.7	591.3	587.6
62.5°	651.3	654.8	666.6	664.6	647.1	640.9	651.6	609.3	638.9	644.3	640.7
65°	715.8	716.6	733.3	734.1	707.8	720.0	716.3	669.1	711.0	706.1	705.5
67.5°	787.2	793.1	808.3	801.3	766.3	776.4	770.5	725.6	769.4	767.9	765.4
70°	874.7	877.2	889.4	863.4	813.1	827.0	810.3	772.4	832.6	842.8	840.3
72°	890.0	896.1	908.3	893.9	847.8	865.1	829.2	793.1	852.4	860.3	856.6
72.5°	886.0	891.1	905.2	893.0	852.1	870.7	831.5	792.5	847.3	855.5	851.0
75°	772.2	771.6	804.1	826.6	841.4	896.4	820.5	748.5	755.9	754.4	747.4
77.5°	491.5	506.8	550.2	624.5	733.8	834.0	727.0	599.7	537.3	500.8	485.4
80°	171.3	183.2	230.1	329.5	511.9	636.4	509.3	330.9	220.2	171.1	168.9
82.5°	68.0	77.9	85.8	113.8	239.7	372.5	238.0	123.1	98.8	89.2	86.4
85°	53.9	55.3	61.0	65.0	87.0	120.3	105.6	74.6	69.5	62.4	61.0
87.5°	47.5	48.6	45.7	46.9	60.7	67.5	66.4	48.0	43.0	47.2	45.4
90°	49.7	50.2	46.0	46.5	61.6	69.2	64.1	45.2	44.6	49.4	47.7
92.5°	53.1	53.9	49.4	49.7	63.5	71.7	64.3	44.9	48.6	53.1	51.4
95°	43.5	44.6	41.5	42.7	55.3	64.1	57.3	40.1	43.2	51.7	50.0
97.5°	25.7	26.8	26.5	33.9	36.4	40.1	37.2	27.6	26.5	29.1	27.4
100°	4.5	5.6	11.9	22.3	20.6	17.5	19.2	17.2	11.3	5.9	4.2
102.5°	4.2	4.5	8.8	12.2	8.8	6.2	8.5	10.1	6.4	4.0	4.0
105°	4.2	4.5	4.8	5.1	2.9	2.6	3.7	5.9	4.0	4.0	4.0
107.5°	4.0	4.0	2.6	2.3	2.3	2.6	2.3	2.6	2.9	3.7	4.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	3.4	3.4	2.3	1.9	1.9	2.3	1.9	2.3	2.3	2.9	2.9
112.5°	2.6	2.6	1.7	1.7	1.7	1.9	1.7	1.7	1.9	2.3	2.3
115°	2.6	2.6	1.7	1.4	1.4	1.7	1.4	1.4	1.7	2.3	2.3
117.5°	2.3	2.3	1.4	1.1	1.1	1.1	1.1	1.1	1.7	2.3	2.3
120°	2.3	2.3	1.4	1.1	1.1	0.8	1.1	1.1	1.4	2.3	2.3
122.5°	2.3	2.3	1.4	0.8	0.8	0.8	0.8	1.1	1.4	1.9	2.3
125°	2.3	1.9	1.4	0.8	0.8	0.8	0.8	0.8	1.4	1.9	1.9
127.5°	1.9	1.9	1.4	0.8	0.8	0.6	0.6	0.8	1.1	1.7	1.9
130°	1.9	1.9	1.4	0.8	0.8	0.6	0.6	0.6	1.1	1.7	1.7
132.5°	1.7	1.7	1.1	0.6	0.6	0.6	0.6	0.6	0.8	1.4	1.4
135°	1.4	1.4	1.1	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1
137.5°	1.4	1.4	1.1	0.8	0.6	0.6	0.6	0.6	0.6	0.8	0.8
140°	1.4	1.4	1.1	0.8	0.6	0.6	0.6	0.6	0.8	0.8	0.8
142.5°	1.4	1.4	1.1	0.8	0.6	0.6	0.6	0.6	0.8	0.8	0.8
145°	1.4	1.4	1.1	0.8	0.6	0.6	0.6	0.8	0.8	1.1	1.1
147.5°	1.4	1.4	1.1	0.8	0.6	0.3	0.6	0.8	1.1	1.1	1.1
150°	1.4	1.4	1.1	0.6	0.3	0.0	0.3	0.6	0.8	1.1	1.1
152.5°	1.1	1.1	0.8	0.3	0.3	0.0	0.0	0.3	0.8	0.8	0.8
155°	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
157.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)