

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: P694882

Luminaire Tested: **LXF.LXT-PA16-30-750-U-5WQ-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-750-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3974 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

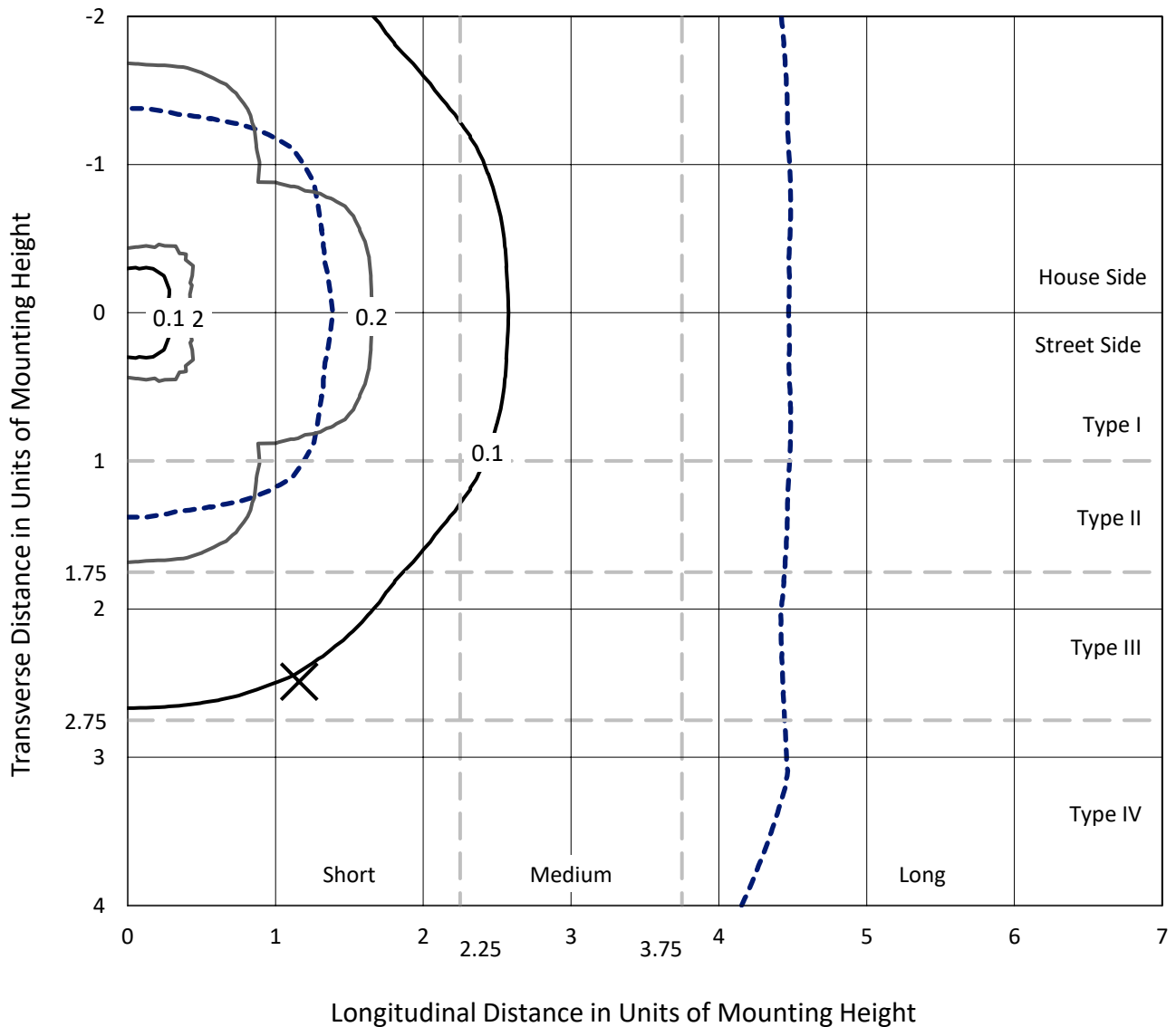
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

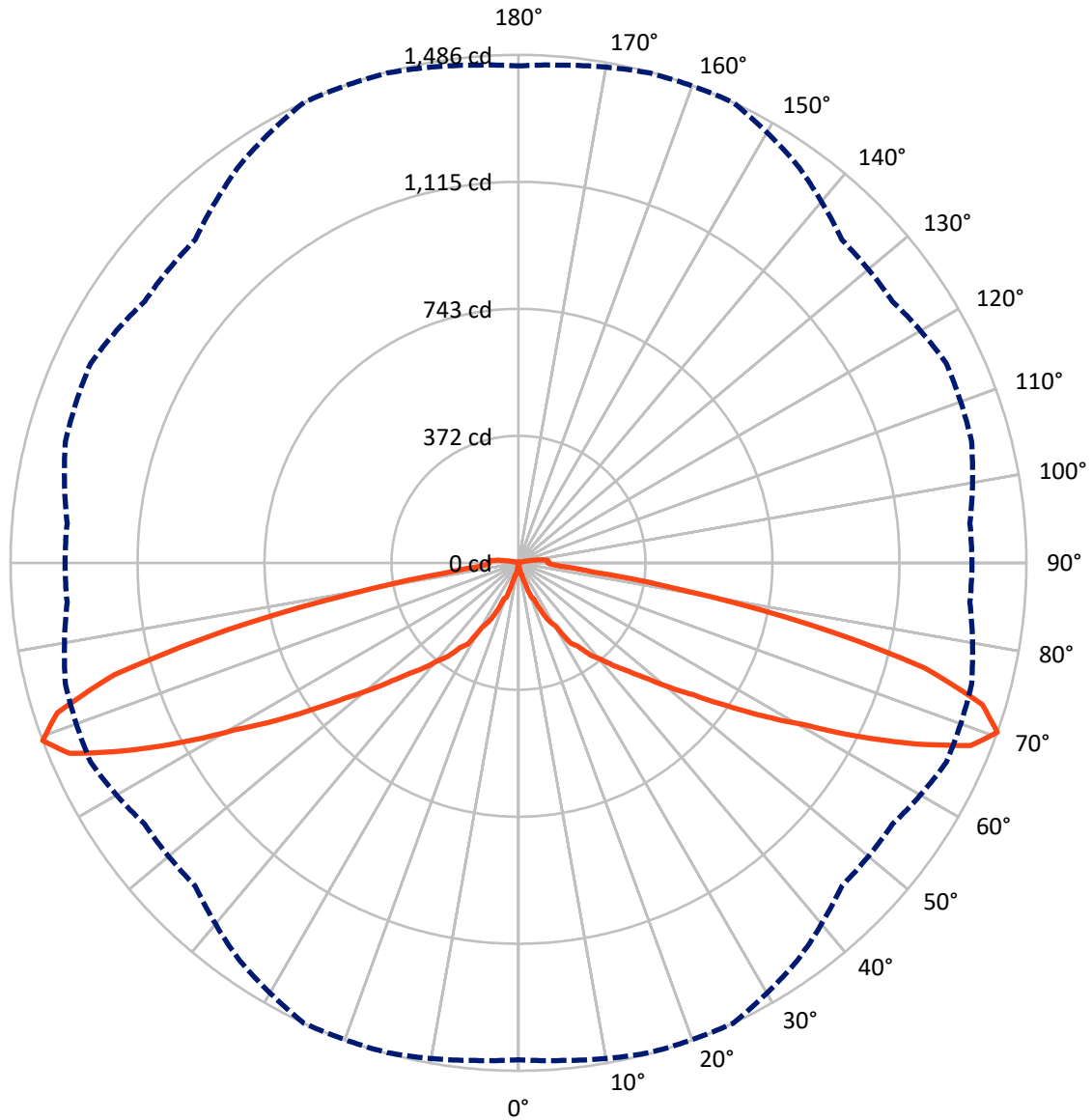
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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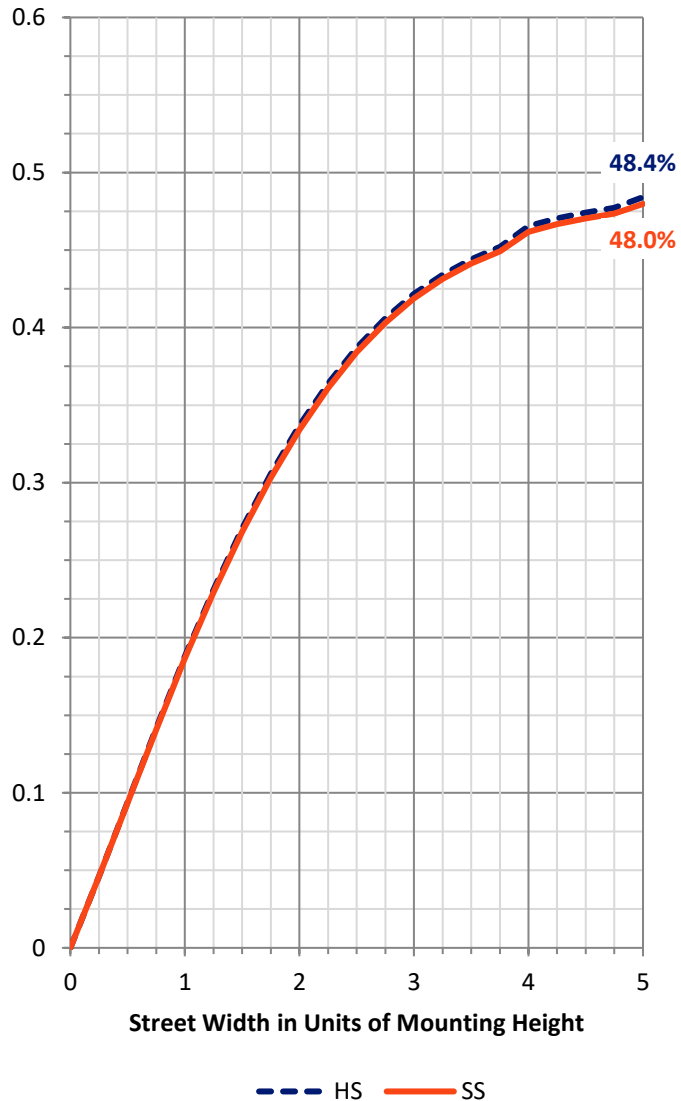
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1937.3	49.7	1987.0
	% Fixture	48.7	1.3	50.0
Street Side	Lumens	1937.3	49.7	1987.0
	% Fixture	48.7	1.3	50.0
Total	Lumens	3874.7	99.4	3974.0
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	15.1	0.4
20°-30°	79.5	2.0
30°-40°	199.8	5.0
40°-50°	364.0	9.2
50°-60°	663.7	16.7
60°-70°	1200.6	30.2
70°-80°	1143.4	28.8
80°-90°	208.3	5.2
90°-100°	80.6	2.0
100°-110°	11.7	0.3
110°-120°	3.1	0.1
120°-130°	1.9	0.0
130°-140°	1.2	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3874.7	97.5
0°-180°	3974.0	100.0

Coefficient of Utilization



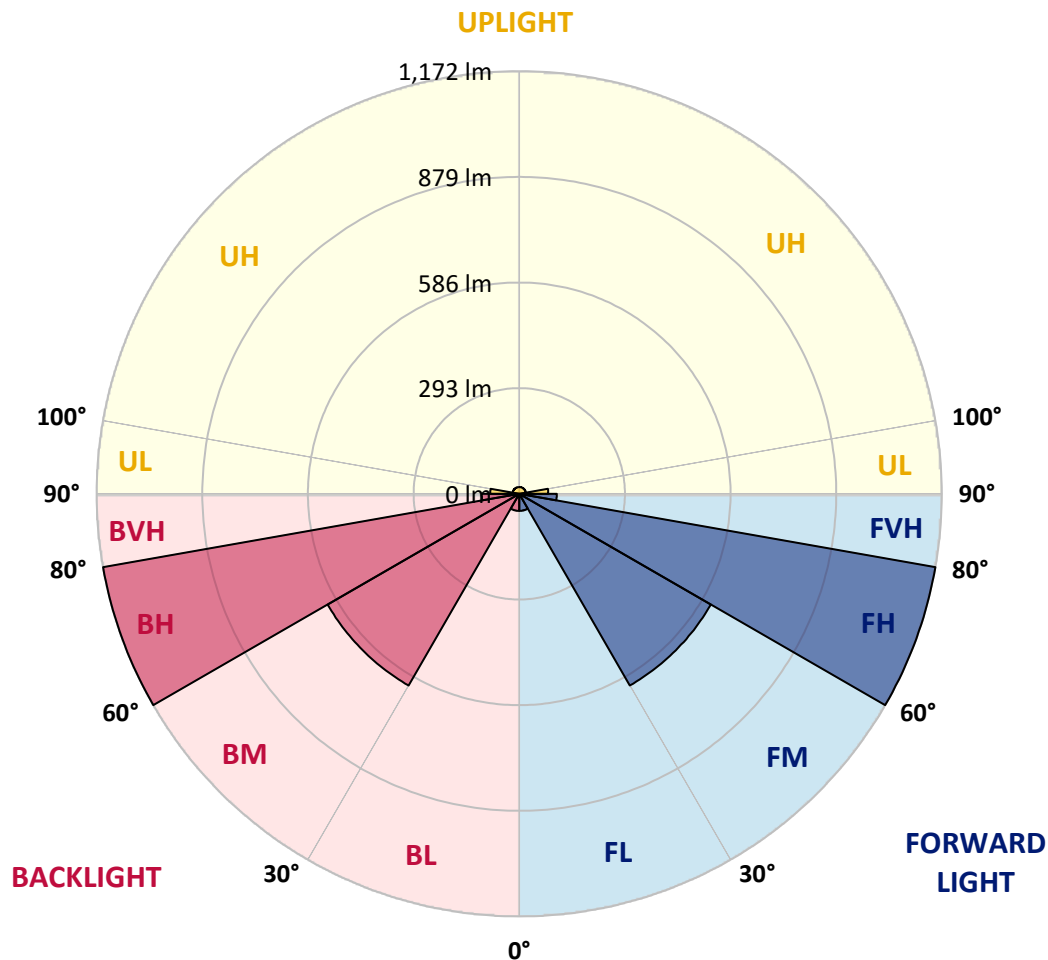
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	47.4	1.2			
FM (30°-60°)	613.8	15.4			
FH (60°-80°)	1172.0	29.5			G1/1800
FVH (80°-90°)	104.1	2.6			G2/225
BL (0°-30°)	47.4	1.2	B0/110		
BM (30°-60°)	613.8	15.4	B1/1000		
BH (60°-80°)	1172.0	29.5	B3/2500		G1/1800
BVH (80°-90°)	104.1	2.6			G2/225
UL (90°-100°)	80.6	2.0		U3/500	
UH (100°-180°)	18.8	0.5		U2/50	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
7.5°	2.6	2.6	2.6	1.3	2.6	1.3	2.6	1.3	1.3	2.6	2.6
10°	27.2	23.3	11.7	7.8	3.9	2.6	2.6	2.6	2.6	2.6	2.6
12.5°	36.2	36.2	35.0	33.7	28.5	7.8	3.9	7.8	12.9	27.2	29.8
15°	44.0	44.0	40.1	37.5	35.0	29.8	28.5	53.1	63.4	67.3	69.9
17.5°	107.5	107.5	98.4	62.1	40.1	55.7	76.4	69.9	73.8	75.1	76.4
20°	116.5	115.2	111.3	107.5	88.0	81.6	88.0	82.9	108.7	117.8	129.5
22.5°	152.8	143.7	126.9	113.9	123.0	110.0	102.3	141.1	150.2	156.7	157.9
25°	200.7	199.4	194.2	161.8	141.1	137.2	145.0	164.4	168.3	178.7	181.2
27.5°	213.6	214.9	204.6	194.2	187.7	170.9	180.0	200.7	233.0	246.0	247.3
30°	299.1	296.5	284.8	216.2	209.7	202.0	213.6	236.9	248.6	262.8	265.4
32.5°	313.3	309.4	305.5	280.9	234.3	230.4	244.7	256.3	313.3	352.1	353.4
35°	369.0	369.0	354.7	300.4	288.7	258.9	269.3	315.9	356.0	372.9	372.9
37.5°	398.7	396.2	384.5	341.8	301.7	288.7	305.5	337.9	378.0	398.7	398.7
40°	432.4	429.8	416.9	371.6	343.1	315.9	339.2	371.6	416.9	435.0	435.0
42.5°	472.5	470.0	455.7	413.0	374.2	349.6	369.0	415.6	455.7	467.4	472.5
45°	520.4	516.6	503.6	453.1	411.7	380.6	398.7	458.3	499.7	521.7	519.2
47.5°	576.1	570.9	556.7	506.2	460.9	420.8	442.8	514.0	561.9	576.1	580.0
50°	633.1	630.5	624.0	572.2	514.0	475.1	503.6	578.7	625.3	633.1	635.7
52.5°	696.5	690.0	691.3	642.1	586.5	545.0	578.7	635.7	696.5	695.2	693.9
55°	770.3	769.0	772.9	736.7	673.2	627.9	665.4	736.7	775.5	771.6	763.8
57.5°	857.1	857.1	867.4	846.7	785.8	739.2	763.8	840.2	862.2	848.0	844.1
60°	971.0	964.5	982.6	963.2	921.8	859.6	890.7	956.7	965.8	947.7	951.6
62.5°	1113.4	1110.8	1121.2	1119.9	1070.7	998.2	1030.5	1090.1	1100.4	1084.9	1091.4
65°	1271.3	1268.7	1281.7	1277.8	1222.1	1144.5	1172.9	1239.0	1239.0	1209.2	1211.8
67.5°	1400.8	1400.8	1420.2	1426.7	1350.3	1251.9	1271.3	1347.7	1342.5	1305.0	1306.3
70°	1453.9	1461.7	1483.7	1486.2	1421.5	1337.4	1334.8	1381.4	1372.3	1325.7	1327.0
72.5°	1363.3	1367.1	1406.0	1418.9	1404.7	1367.1	1327.0	1297.2	1275.2	1242.9	1242.9
75°	1104.3	1101.7	1152.2	1227.3	1270.0	1307.6	1213.1	1127.6	1095.3	1066.8	1077.1
77.5°	701.7	690.0	747.0	875.2	991.7	1101.7	998.2	872.6	788.4	735.4	727.6
80°	309.4	315.9	362.5	494.6	651.2	771.6	695.2	511.4	396.2	322.4	300.4
82.5°	137.2	139.8	159.2	217.5	362.5	453.1	384.5	234.3	161.8	143.7	142.4
85°	94.5	99.7	97.1	119.1	168.3	203.3	177.4	117.8	98.4	93.2	89.3
87.5°	86.7	88.0	82.9	90.6	111.3	103.6	103.6	84.2	71.2	77.7	76.4
90°	90.6	91.9	82.9	85.4	102.3	91.9	95.8	79.0	73.8	82.9	81.6
92.5°	91.9	98.4	90.6	88.0	102.3	101.0	95.8	81.6	80.3	89.3	88.0
95°	81.6	90.6	81.6	82.9	94.5	95.8	90.6	80.3	82.9	89.3	91.9
97.5°	49.2	53.1	53.1	60.8	66.0	69.9	67.3	58.3	49.2	46.6	44.0
100°	18.1	18.1	25.9	38.8	36.2	29.8	37.5	37.5	22.0	11.7	7.8
102.5°	7.8	7.8	15.5	22.0	15.5	10.4	16.8	23.3	14.2	7.8	6.5
105°	7.8	7.8	9.1	11.7	6.5	5.2	6.5	11.7	6.5	6.5	6.5
107.5°	6.5	6.5	5.2	5.2	3.9	3.9	3.9	3.9	5.2	6.5	7.8
110°	6.5	5.2	3.9	3.9	3.9	3.9	3.9	3.9	3.9	6.5	6.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.2	3.9	2.6	2.6	2.6	3.9	2.6	2.6	2.6	3.9	3.9
115°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
117.5°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
120°	3.9	3.9	2.6	1.3	1.3	1.3	2.6	2.6	2.6	3.9	3.9
122.5°	3.9	3.9	2.6	1.3	1.3	1.3	1.3	1.3	2.6	3.9	3.9
125°	3.9	3.9	2.6	1.3	1.3	1.3	1.3	1.3	2.6	3.9	3.9
127.5°	3.9	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6	3.9	3.9
130°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
132.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
135°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
140°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)