

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: P459929

Luminaire Tested: **UTLD-PA1-30-AMB-U-T2R-HSS**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-906-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-PA1-30-AMB-U-T2R-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1028 lumens
Efficiency: N/A
Efficacy: 31.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.75' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B0 - U0 - G0

Input Watts (W): 32.7
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

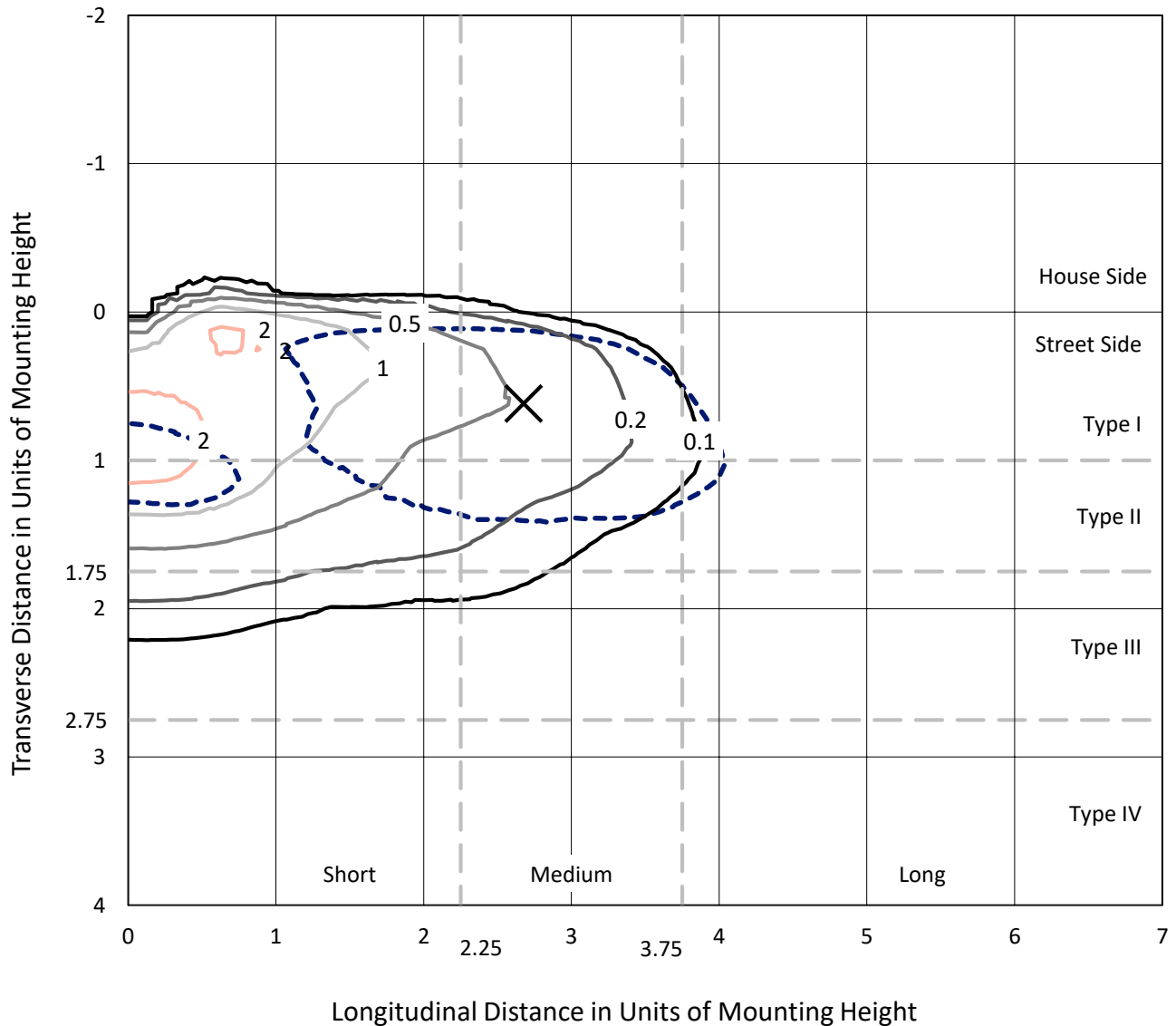


REPORT NUMBER: P459929

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

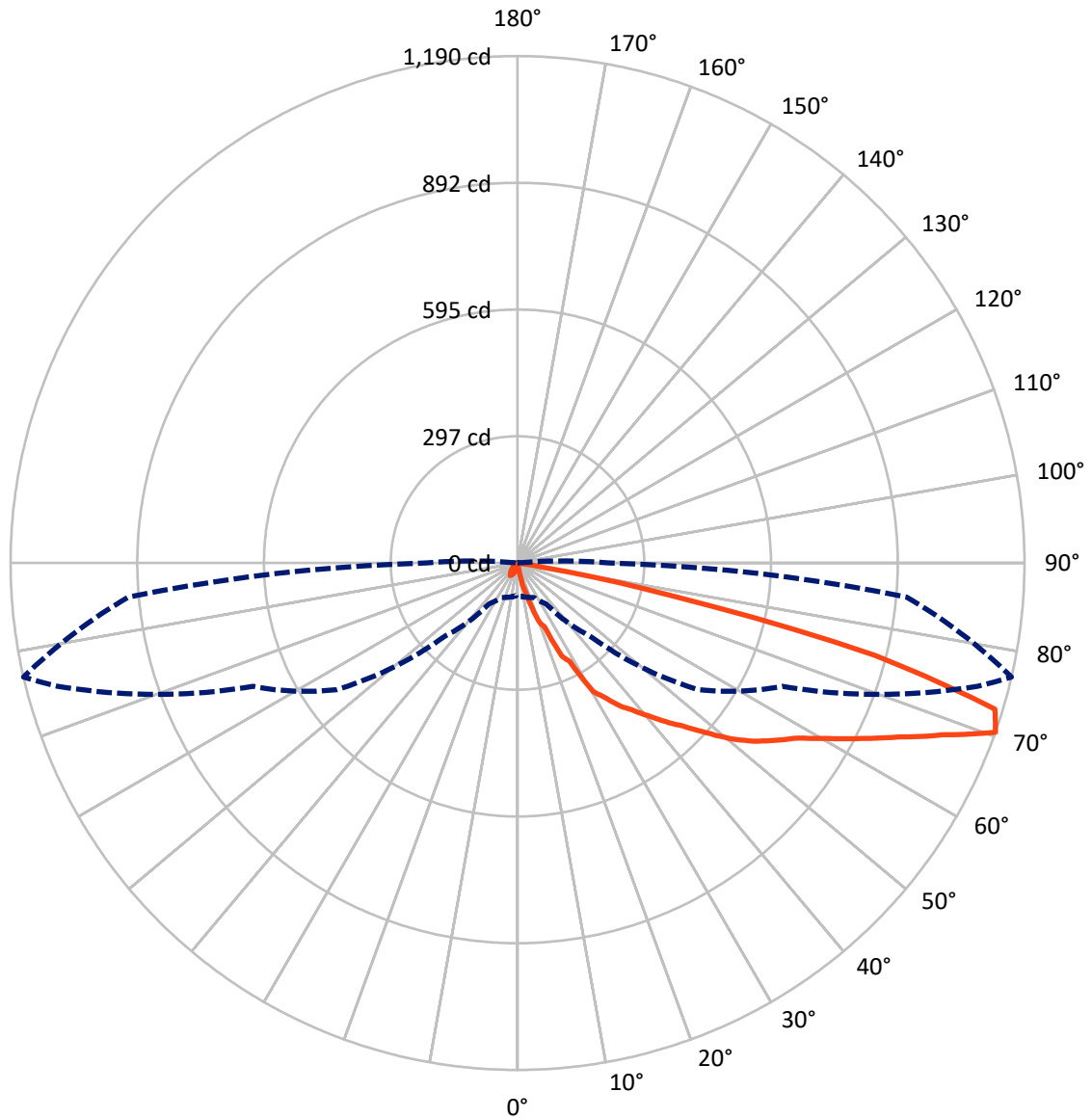


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type II - Medium - Full Cutoff

REPORT NUMBER: P459929

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



REPORT NUMBER: P459929

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T2R-HSS

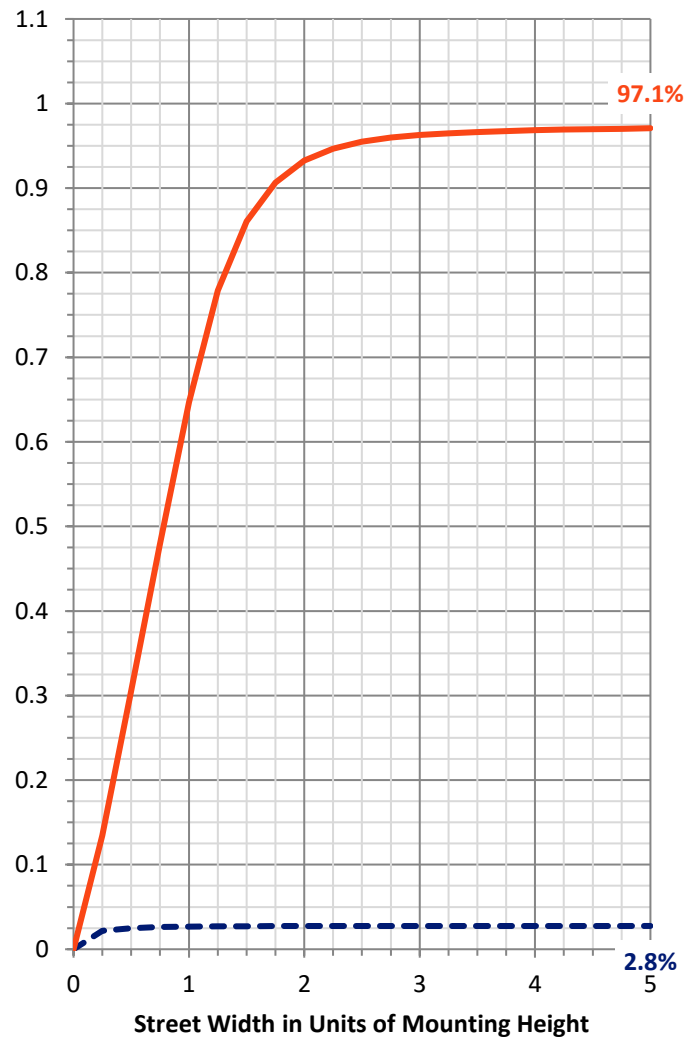
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28.4	0.0	28.4
	% Fixture	2.8	0.0	2.8
Street Side	Lumens	999.6	0.0	999.6
	% Fixture	97.2	0.0	97.2
Total	Lumens	1028.0	0.0	1028.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.1
10°-20°	16.1	1.6
20°-30°	54.4	5.3
30°-40°	127.8	12.4
40°-50°	215.6	21.0
50°-60°	254.0	24.7
60°-70°	229.2	22.3
70°-80°	125.4	12.2
80°-90°	4.3	0.4
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°	1028.0	100.0
0°-180°	1028.0	100.0



--- HS — SS

REPORT NUMBER: P459929

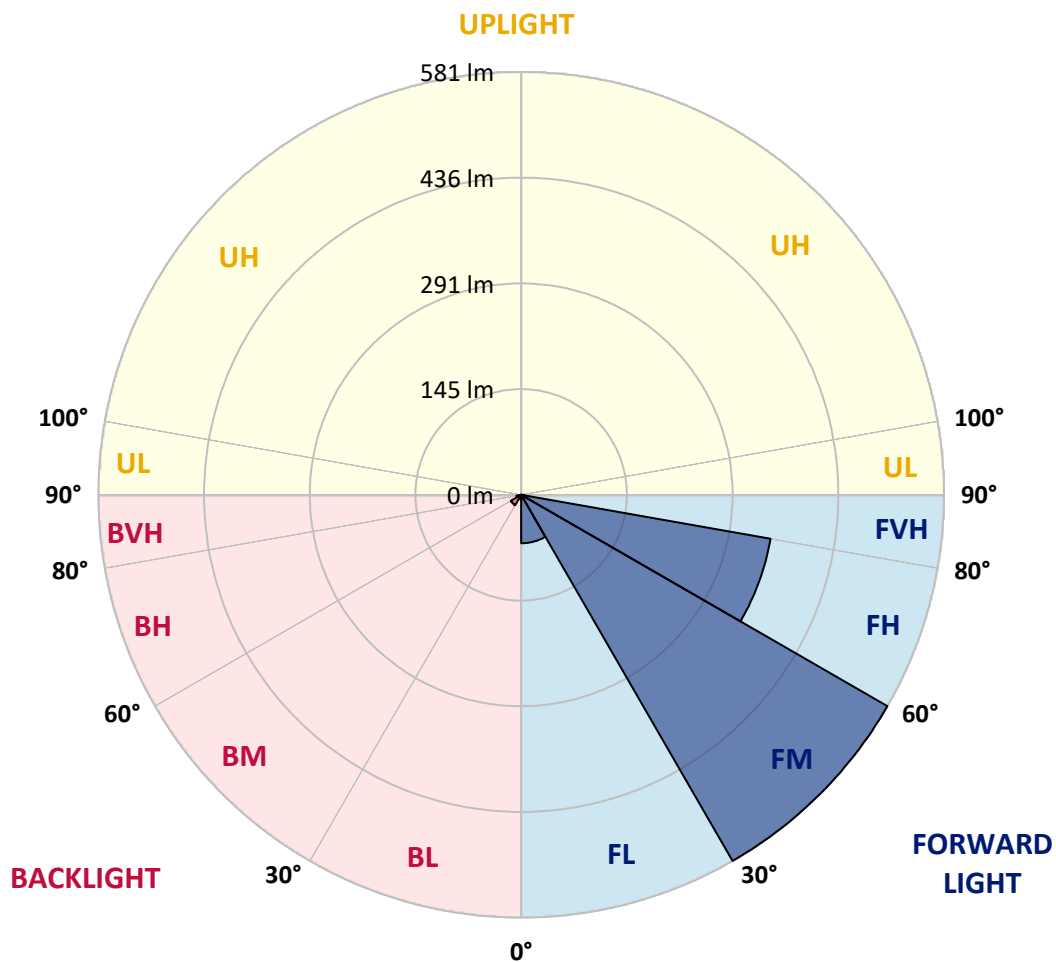
CATALOG NUMBER: UTLD-PA1-30-AMB-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	66.6	6.5			
FM (30°-60°)	581.0	56.5			
FH (60°-80°)	348.0	33.8			G0/660
FVH (80°-90°)	4.0	0.4			G0/10
BL (0°-30°)	5.3	0.5	B0/110		
BM (30°-60°)	16.4	1.6	B0/220		
BH (60°-80°)	6.6	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0

Type II Medium





REPORT NUMBER: P459929

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	40.0	40.0	41.0	41.0	40.0	35.0	2.0	0.0	0.0	0.0	0.0
7.5°	47.0	47.0	47.0	46.0	45.0	42.0	40.0	3.0	0.0	0.0	0.0
10°	96.0	97.0	79.0	54.0	50.0	47.0	44.0	30.0	1.0	0.0	0.0
12.5°	102.0	102.0	102.0	103.0	103.0	54.0	50.0	70.0	59.0	52.0	40.0
15°	105.0	105.0	105.0	107.0	110.0	97.0	108.0	99.0	83.0	70.0	48.0
17.5°	146.9	146.9	148.9	146.9	112.0	150.9	145.9	108.0	90.0	111.0	93.0
20°	146.9	146.9	149.9	154.9	186.9	151.9	149.9	172.9	153.9	149.9	106.0
22.5°	196.9	196.9	201.9	160.9	191.9	180.9	192.9	194.9	167.9	162.9	124.9
25°	200.9	201.9	204.9	204.9	204.9	220.9	199.9	257.9	243.9	241.9	187.9
27.5°	268.9	270.9	255.9	218.9	227.9	229.9	265.9	270.9	273.9	261.9	204.9
30°	319.9	320.9	303.9	276.9	244.9	255.9	280.9	275.9	361.8	349.8	292.9
32.5°	455.8	455.8	409.8	319.9	282.9	284.9	302.9	333.9	384.8	375.8	313.9
35°	540.8	540.8	496.8	412.8	316.9	296.9	354.8	343.8	411.8	410.8	338.8
37.5°	605.7	604.7	563.7	481.8	391.8	326.9	377.8	352.8	437.8	437.8	368.8
40°	659.7	657.7	625.7	533.8	449.8	366.8	396.8	385.8	472.8	470.8	394.8
42.5°	702.7	699.7	680.7	579.7	487.8	414.8	423.8	416.8	510.8	508.8	423.8
45°	732.7	729.7	718.7	626.7	521.8	457.8	460.8	445.8	534.8	545.8	449.8
47.5°	736.7	735.7	738.7	654.7	550.8	489.8	498.8	473.8	576.7	594.7	481.8
50°	708.7	705.7	730.7	674.7	573.7	520.8	535.8	511.8	614.7	647.7	520.8
52.5°	560.8	581.7	648.7	648.7	588.7	539.8	566.7	552.8	658.7	694.7	553.8
55°	403.8	414.8	496.8	562.7	581.7	544.8	586.7	593.7	705.7	734.7	579.7
57.5°	336.8	341.8	376.8	447.8	534.8	544.8	601.7	617.7	733.7	774.7	611.7
60°	281.9	284.9	306.9	348.8	441.8	520.8	603.7	618.7	763.7	835.6	665.7
62.5°	215.9	217.9	238.9	266.9	346.8	469.8	604.7	623.7	816.6	906.6	723.7
65°	151.9	156.9	172.9	193.9	257.9	404.8	601.7	641.7	891.6	984.6	791.6
67.5°	109.0	109.0	119.9	132.9	178.9	332.9	574.7	666.7	995.6	1076.5	871.6
70°	75.0	78.0	83.0	89.0	116.9	244.9	517.8	684.7	1117.5	1189.5	916.6
72.5°	46.0	48.0	61.0	62.0	72.0	158.9	405.8	625.7	1143.5	1171.5	814.6
75°	27.0	27.0	38.0	43.0	44.0	91.0	239.9	445.8	892.6	866.6	503.8
77.5°	21.0	21.0	23.0	30.0	26.0	46.0	97.0	197.9	409.8	365.8	155.9
80°	13.0	14.0	16.0	18.0	17.0	26.0	24.0	42.0	77.0	59.0	18.0
82.5°	7.0	8.0	10.0	14.0	15.0	13.0	6.0	8.0	9.0	9.0	5.0
85°	2.0	2.0	7.0	9.0	8.0	3.0	2.0	3.0	4.0	4.0	2.0
87.5°	0.0	0.0	4.0	3.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P459929

CATALOG NUMBER: UTLD-PA1-30-AMB-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
12.5°	33.0	27.0	13.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0
15°	38.0	28.0	13.0	5.0	7.0	4.0	3.0	5.0	6.0	6.0	6.0
17.5°	67.0	50.0	14.0	7.0	7.0	5.0	5.0	5.0	5.0	5.0	5.0
20°	80.0	54.0	19.0	11.0	7.0	7.0	6.0	4.0	5.0	6.0	6.0
22.5°	91.0	58.0	17.0	11.0	9.0	6.0	5.0	5.0	5.0	5.0	5.0
25°	132.9	79.0	19.0	12.0	9.0	6.0	5.0	5.0	4.0	5.0	5.0
27.5°	145.9	79.0	17.0	12.0	9.0	6.0	5.0	5.0	5.0	5.0	5.0
30°	202.9	97.0	18.0	12.0	8.0	5.0	5.0	5.0	4.0	4.0	4.0
32.5°	213.9	89.0	17.0	12.0	7.0	5.0	4.0	4.0	4.0	4.0	4.0
35°	220.9	80.0	15.0	10.0	7.0	4.0	4.0	4.0	4.0	4.0	4.0
37.5°	228.9	69.0	14.0	9.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0
40°	237.9	58.0	13.0	8.0	5.0	4.0	3.0	3.0	3.0	3.0	3.0
42.5°	244.9	47.0	11.0	7.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0
45°	253.9	38.0	10.0	6.0	4.0	3.0	2.0	2.0	2.0	2.0	2.0
47.5°	262.9	30.0	10.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
50°	274.9	26.0	9.0	5.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0
52.5°	279.9	24.0	8.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0
55°	280.9	22.0	7.0	4.0	2.0	1.0	1.0	0.0	0.0	1.0	1.0
57.5°	289.9	20.0	6.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0
60°	294.9	18.0	5.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
62.5°	292.9	17.0	5.0	3.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
65°	276.9	15.0	4.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
67.5°	257.9	13.0	4.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	213.9	11.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	133.9	9.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	62.0	6.0	2.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
77.5°	17.0	4.0	2.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
80°	5.0	2.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
82.5°	2.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
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)