

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: LUMARK

Report Number: P214476

Luminaire Tested: **NFFLD-L-C75-D-UNV-66**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P214476  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29596)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: NFFLD-L-C75-D-UNV-66  
Description: NIGHT CONDOR LED FLOODLIGHT WIDE OPTIC  
Light Source: (4) 4000K CCT, 70 CRI LEDS  
CLU048-1312C4-40ALK3  
Ballast/Driver: PHILLIPS  
XI150C105V140CNF1

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26231.7 lumens  
Efficiency: N/A  
Efficacy: 146.5 lumens/watt  
Luminous Opening: (L: 0 ' x W: 0.92 ' x H: 0.67 '  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B4 - U0 - G2

Input Watts (W): 179  
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: 25 FT

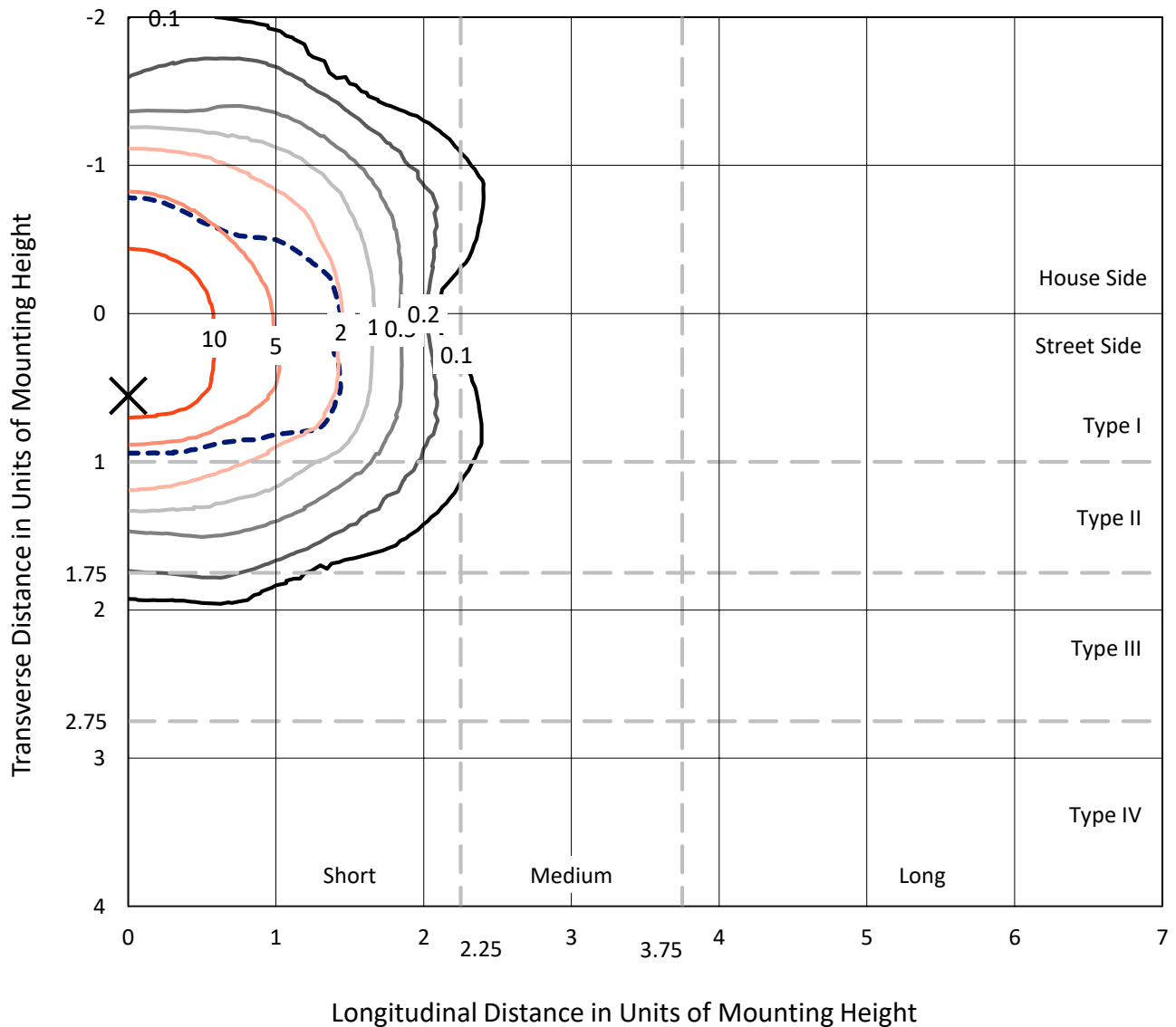


REPORT NUMBER: P214476

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

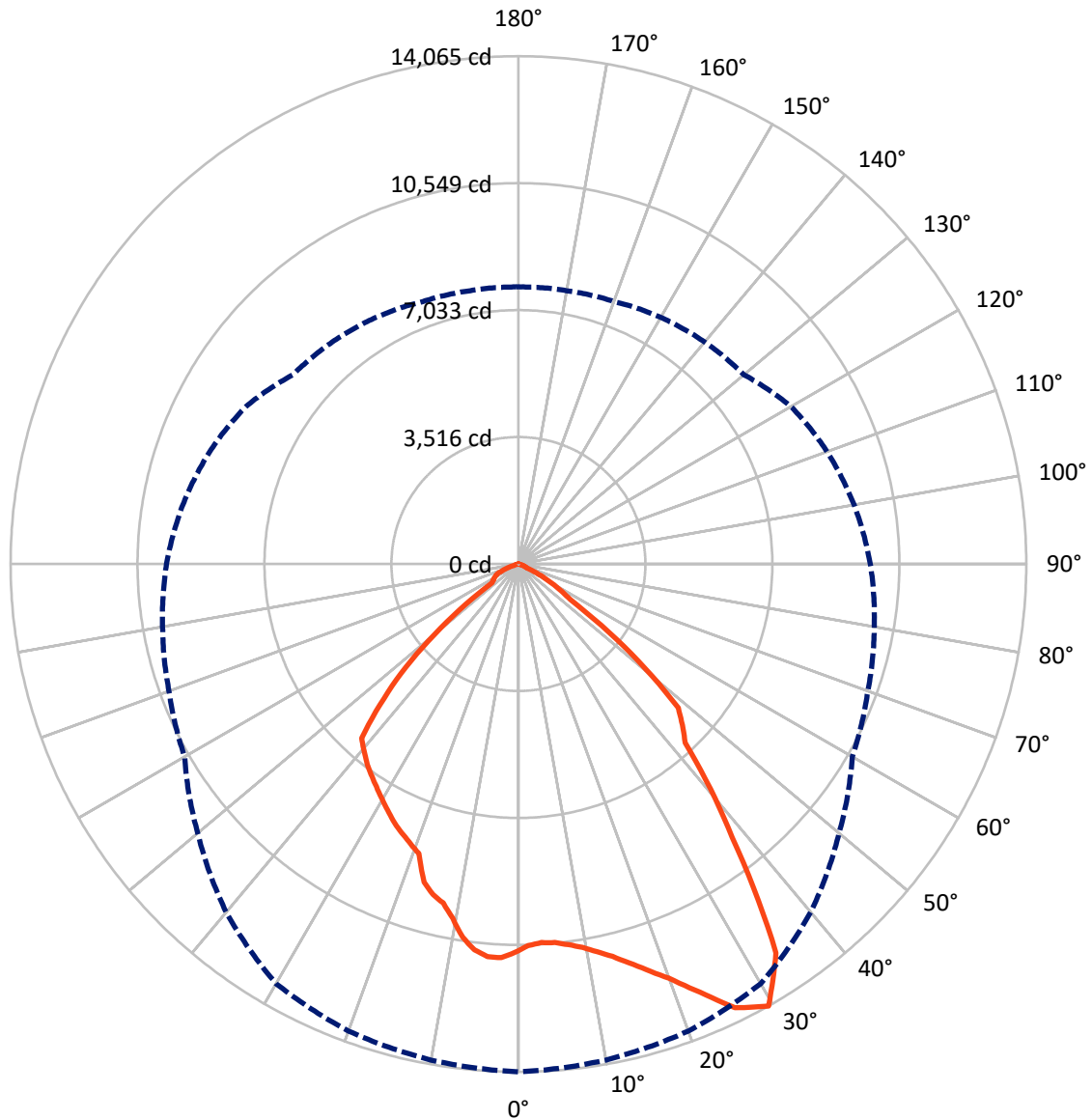


Based on 25 foot mounting height. Maximum calculated value = 17.1 fc  
 Type I - Short - Full Cutoff

REPORT NUMBER: P214476

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66

### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 29-Deg Vertical

REPORT NUMBER: P214476

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66

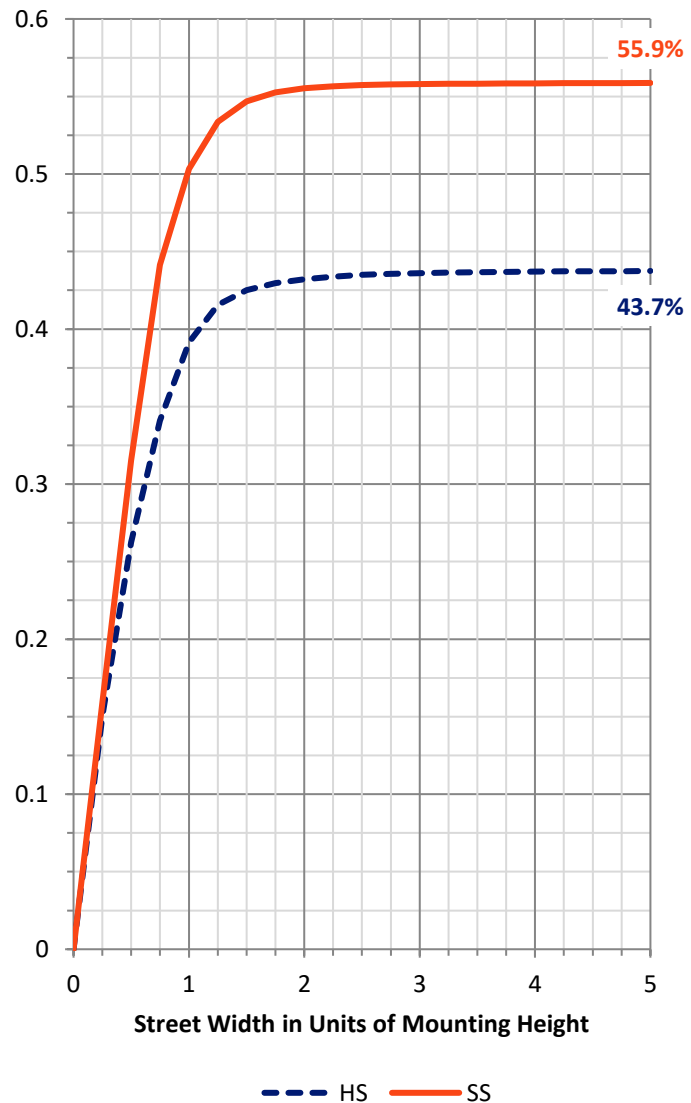
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11577.7	0.0	11577.7
	% Fixture	44.1	0.0	44.1
<b>Street Side</b>	Lumens	14654.0	0.0	14654.0
	% Fixture	55.9	0.0	55.9
<b>Total</b>	Lumens	26231.7	0.0	26231.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1019.6	3.9
10°-20°	2965.3	11.3
20°-30°	4762.5	18.2
30°-40°	5905.7	22.5
40°-50°	5814.6	22.2
50°-60°	4062.7	15.5
60°-70°	1681.5	6.4
70°-80°	347.4	1.3
80°-90°	47.6	0.2
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°	26231.7	100.0
0°-180°	26231.7	100.0



REPORT NUMBER: P214476

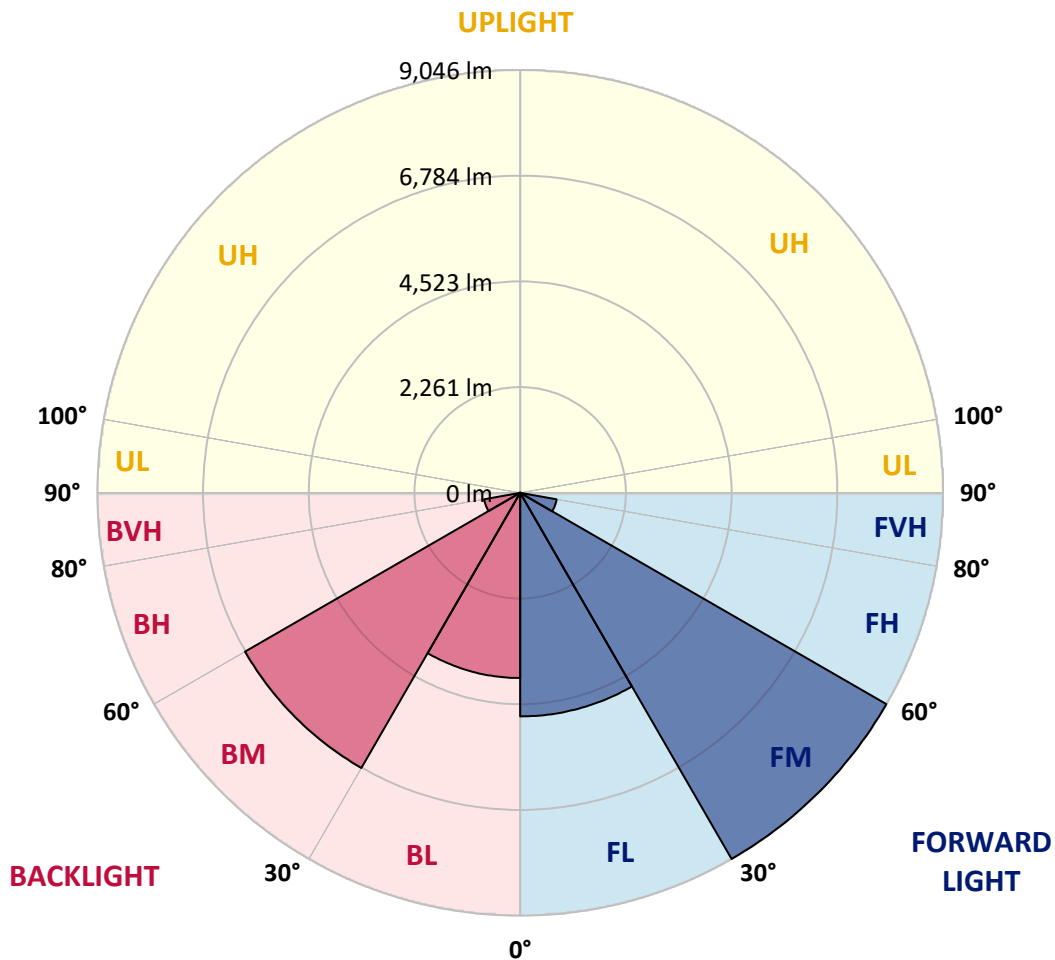
CATALOG NUMBER: NFFLD-L-C75-D-UNV-66

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4783.3	18.2			
FM (30°-60°)	9045.9	34.5			
FH (60°-80°)	791.9	3.0			G1/1800
FVH (80°-90°)	20.6	0.1			G1/100
BL (0°-30°)	3961.4	15.1	B4/5000		
BM (30°-60°)	6797.4	25.9	B4/8500		
BH (60°-80°)	782.9	3.0	B2/1000		G2/1000
BVH (80°-90°)	26.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type I Short





REPORT NUMBER: P214476

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5
1°	10566.7	10567.2	10570.6	10576.8	10585.5	10596.6	10609.8	10624.5	10640.4	10656.9	10672.1
3°	10503.3	10507.0	10512.8	10521.8	10533.0	10546.3	10561.2	10577.2	10619.3	10663.0	10718.0
5°	10532.3	10537.1	10534.2	10530.1	10527.0	10524.7	10543.1	10575.1	10615.8	10691.3	10763.5
7°	10630.9	10625.7	10609.6	10585.0	10554.9	10536.6	10535.2	10567.5	10631.8	10725.7	10801.6
9°	10766.2	10756.4	10727.1	10676.6	10609.0	10558.4	10535.1	10549.7	10635.2	10737.9	10804.5
11°	10956.5	10945.9	10892.6	10792.3	10675.0	10590.1	10542.2	10552.5	10630.3	10721.8	10762.7
13°	11178.1	11166.1	11089.5	10942.8	10780.4	10640.3	10555.3	10554.2	10644.5	10710.4	10709.2
15°	11460.2	11437.6	11328.2	11117.6	10913.0	10717.6	10582.3	10572.7	10680.7	10698.2	10631.7
17°	11774.3	11752.5	11604.3	11337.4	11062.9	10802.4	10616.0	10595.2	10703.1	10689.0	10536.5
19.5°	12212.3	12182.7	11984.5	11675.0	11277.4	10930.5	10686.5	10620.8	10832.7	10990.9	10489.2
22.5°	12879.5	12811.9	12537.5	12108.8	11616.0	11128.0	10773.8	10546.9	10541.4	10466.6	10114.6
25.5°	13671.3	13545.5	13217.6	12678.6	12063.3	11379.6	10695.1	10384.7	10294.2	10115.0	9790.6
29°	14065.0	13948.0	13762.8	13420.6	12590.5	11592.9	10675.9	10297.1	10007.6	9745.8	9439.1
33°	12920.8	12936.7	13207.8	13661.9	13008.1	11774.5	10742.6	10259.5	9680.1	9158.1	8912.6
37.5°	9610.5	9810.3	10663.9	12009.0	12518.5	12014.0	10877.8	10260.6	9408.1	8881.4	8476.1
42.5°	6769.6	6981.2	7624.2	8531.3	10008.1	11320.9	11138.2	10324.3	9106.2	8713.2	8261.1
47.5°	5957.1	5884.7	6025.3	6138.7	7022.5	9088.6	10945.7	10196.3	8555.2	8255.4	8043.2
55°	1740.4	2049.4	2759.2	3474.9	4506.0	5189.0	8032.1	8000.9	6886.4	7283.2	6759.5
65°	266.0	289.3	609.3	595.0	870.8	1422.6	1768.5	1915.2	1261.1	320.2	1265.4
75°	32.1	44.4	72.9	65.3	71.0	62.8	105.3	135.7	130.4	226.2	206.2
85°	3.8	33.6	38.0	36.6	39.8	41.3	48.8	55.3	56.3	61.9	59.3
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: P214476

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5
1°	10687.1	10701.6	10715.1	10727.3	10737.9	10746.5	10752.7	10756.2	10752.7	10746.5	10737.9
3°	10768.9	10801.0	10830.8	10857.7	10880.8	10899.1	10909.7	10912.2	10909.7	10899.1	10880.8
5°	10818.7	10870.0	10903.0	10901.9	10901.1	10901.3	10903.0	10905.3	10903.0	10901.3	10901.1
7°	10860.7	10882.9	10873.4	10847.6	10803.7	10774.2	10757.5	10753.2	10757.5	10774.2	10803.7
9°	10855.3	10819.4	10750.9	10681.1	10589.4	10514.4	10473.0	10449.8	10473.0	10514.4	10589.4
11°	10751.2	10663.7	10530.9	10374.5	10254.5	10123.2	10030.7	9982.8	10030.7	10123.2	10254.5
13°	10626.3	10446.0	10234.6	10037.8	9868.7	9754.7	9661.7	9615.1	9661.7	9754.7	9868.7
15°	10464.9	10205.0	9968.4	9763.3	9589.6	9511.8	9461.1	9453.8	9461.1	9511.8	9589.6
17°	10271.1	9985.9	9753.8	9570.2	9433.7	9278.8	9195.7	9186.3	9195.7	9278.8	9433.7
19.5°	10086.6	9807.2	9555.8	9367.2	9119.7	8749.1	8542.0	8478.6	8542.0	8749.1	9119.7
22.5°	9859.0	9610.8	9321.1	8950.0	8462.2	8308.5	8238.6	8225.6	8238.6	8308.5	8462.2
25.5°	9552.9	9247.9	8966.8	8394.4	8210.4	8076.4	8006.3	7997.1	8006.3	8076.4	8210.4
29°	9098.3	8717.8	8152.7	8024.3	7887.0	7736.6	7686.4	7673.7	7686.4	7736.6	7887.0
33°	8551.1	8075.7	7607.8	7554.6	7406.6	7333.8	7319.8	7317.6	7319.8	7333.8	7406.6
37.5°	8042.4	7503.9	7194.1	6995.6	6941.3	6959.6	6962.8	6949.2	6962.8	6959.6	6941.3
42.5°	7625.3	7110.9	6689.6	6476.0	6471.0	6452.2	6448.0	6487.5	6448.0	6452.2	6471.0
47.5°	7318.8	6779.2	6143.8	5954.1	5663.5	4995.9	4544.0	4459.8	4544.0	4995.9	5663.5
55°	6202.4	6164.1	5145.6	3919.0	2687.5	1762.6	1206.7	893.5	1206.7	1762.6	2687.5
65°	1902.7	1514.1	926.8	713.9	857.1	754.8	667.5	661.9	667.5	754.8	857.1
75°	262.6	196.9	197.5	137.9	179.2	146.3	92.6	70.3	92.6	146.3	179.2
85°	52.8	48.0	46.5	41.2	35.1	34.8	25.5	0.0	25.5	34.8	35.1
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: P214476

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5	10661.5
1°	10727.3	10715.1	10701.6	10687.1	10672.1	10656.9	10640.4	10624.5	10609.8	10596.6	10585.5
3°	10857.7	10830.8	10801.0	10768.9	10718.0	10663.0	10619.3	10577.2	10561.2	10546.3	10533.0
5°	10901.9	10903.0	10870.0	10818.7	10763.5	10691.3	10615.8	10575.1	10543.1	10524.7	10527.0
7°	10847.6	10873.4	10882.9	10860.7	10801.6	10725.7	10631.8	10567.5	10535.2	10536.6	10554.9
9°	10681.1	10750.9	10819.4	10855.3	10804.5	10737.9	10635.2	10549.7	10535.1	10558.4	10609.0
11°	10374.5	10530.9	10663.7	10751.2	10762.7	10721.8	10630.3	10552.5	10542.2	10590.1	10675.0
13°	10037.8	10234.6	10446.0	10626.3	10709.2	10710.4	10644.5	10554.2	10555.3	10640.3	10780.4
15°	9763.3	9968.4	10205.0	10464.9	10631.7	10698.2	10680.7	10572.7	10582.3	10717.6	10913.0
17°	9570.2	9753.8	9985.9	10271.1	10536.5	10689.0	10703.1	10595.2	10616.0	10802.4	11062.9
19.5°	9367.2	9555.8	9807.2	10086.6	10489.2	10990.9	10832.7	10620.8	10686.5	10930.5	11277.4
22.5°	8950.0	9321.1	9610.8	9859.0	10114.6	10466.6	10541.4	10546.9	10773.8	11128.0	11616.0
25.5°	8394.4	8966.8	9247.9	9552.9	9790.6	10115.0	10294.2	10384.7	10695.1	11379.6	12063.3
29°	8024.3	8152.7	8717.8	9098.3	9439.1	9745.8	10007.6	10297.1	10675.9	11592.9	12590.5
33°	7554.6	7607.8	8075.7	8551.1	8912.6	9158.1	9680.1	10259.5	10742.6	11774.5	13008.1
37.5°	6995.6	7194.1	7503.9	8042.4	8476.1	8881.4	9408.1	10260.6	10877.8	12014.0	12518.5
42.5°	6476.0	6689.6	7110.9	7625.3	8261.1	8713.2	9106.2	10324.3	11138.2	11320.9	10008.1
47.5°	5954.1	6143.8	6779.2	7318.8	8043.2	8255.4	8555.2	10196.3	10945.7	9088.6	7022.5
55°	3919.0	5145.6	6164.1	6202.4	6759.5	7283.2	6886.4	8000.9	8032.1	5189.0	4506.0
65°	713.9	926.8	1514.1	1902.7	1265.4	320.2	1261.1	1915.2	1768.5	1422.6	870.8
75°	137.9	197.5	196.9	262.6	206.2	226.2	130.4	135.7	105.3	62.8	71.0
85°	41.2	46.5	48.0	52.8	59.3	61.9	56.3	55.3	48.8	41.3	39.8
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: P214476

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	10661.5	10661.5	10661.5	10661.5
1°	10576.8	10570.6	10567.2	10566.7
3°	10521.8	10512.8	10507.0	10503.3
5°	10530.1	10534.2	10537.1	10532.3
7°	10585.0	10609.6	10625.7	10630.9
9°	10676.6	10727.1	10756.4	10766.2
11°	10792.3	10892.6	10945.9	10956.5
13°	10942.8	11089.5	11166.1	11178.1
15°	11117.6	11328.2	11437.6	11460.2
17°	11337.4	11604.3	11752.5	11774.3
19.5°	11675.0	11984.5	12182.7	12212.3
22.5°	12108.8	12537.5	12811.9	12879.5
25.5°	12678.6	13217.6	13545.5	13671.3
29°	13420.6	13762.8	13948.0	14065.0
33°	13661.9	13207.8	12936.7	12920.8
37.5°	12009.0	10663.9	9810.3	9610.5
42.5°	8531.3	7624.2	6981.2	6769.6
47.5°	6138.7	6025.3	5884.7	5957.1
55°	3474.9	2759.2	2049.4	1740.4
65°	595.0	609.3	289.3	266.0
75°	65.3	72.9	44.4	32.1
85°	36.6	38.0	33.6	3.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)