

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: P214477

Luminaire Tested: **NFFLD-L-C75-D-UNV-66-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P214477
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-66-7030
Description: NIGHT CONDOR LED FLOODLIGHT WIDE OPTIC
Light Source: (4) 3000K CCT, 70 CRI LEDS
CLU048-1312C4-40ALK3
Ballast/Driver: PHILLIPS
XI150C105V140CNF1

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25216.5 lumens
Efficiency: N/A
Efficacy: 140.9 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

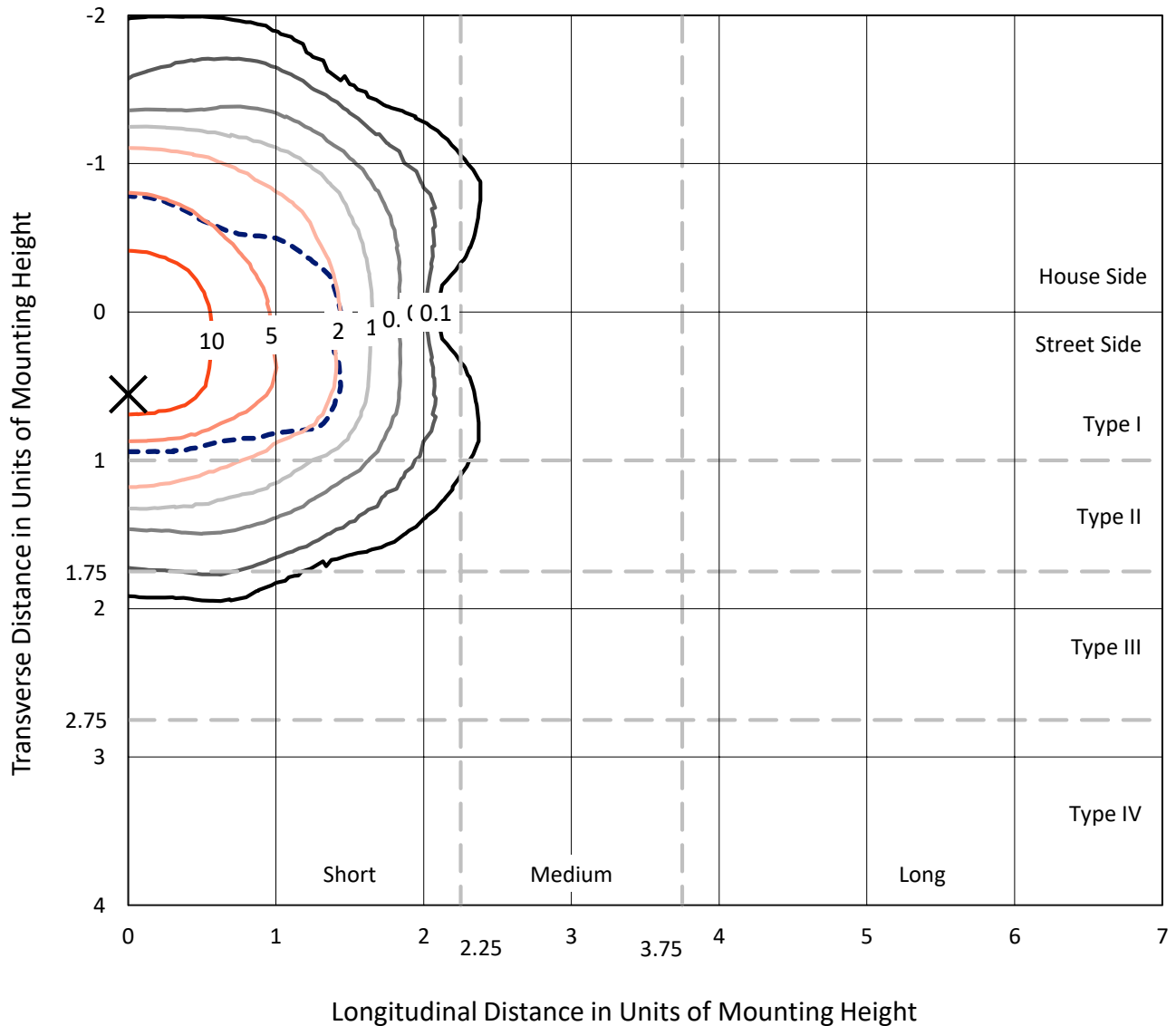
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P214477
 CATALOG NUMBER: NFFLD-L-C75-D-UNV-66-7030

Iso-Footcandle Lines of Horizontal Illumination

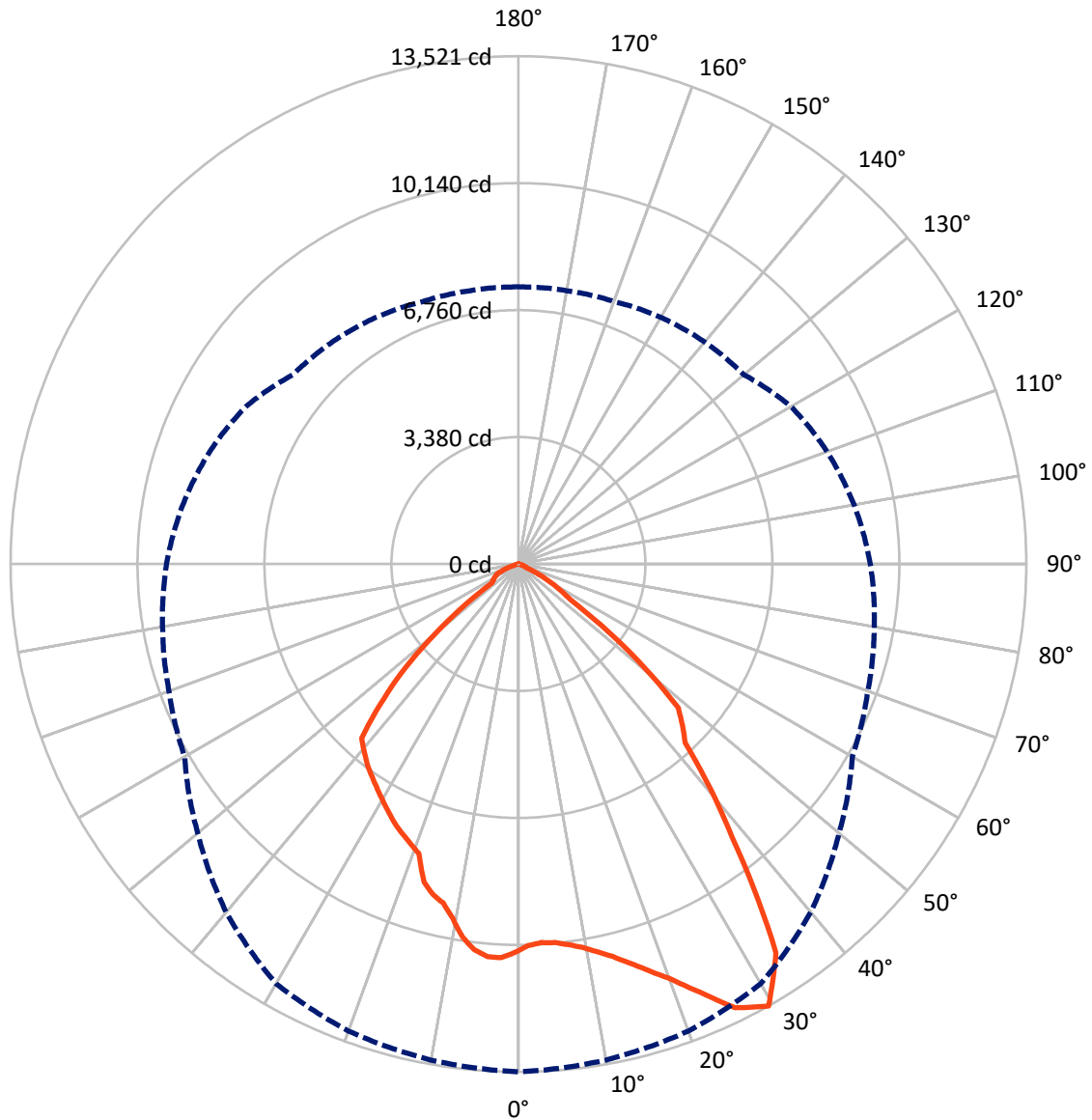
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type I - Short - Full Cutoff

REPORT NUMBER: P214477
CATALOG NUMBER: NFFLD-L-C75-D-UNV-66-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P214477

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66-7030

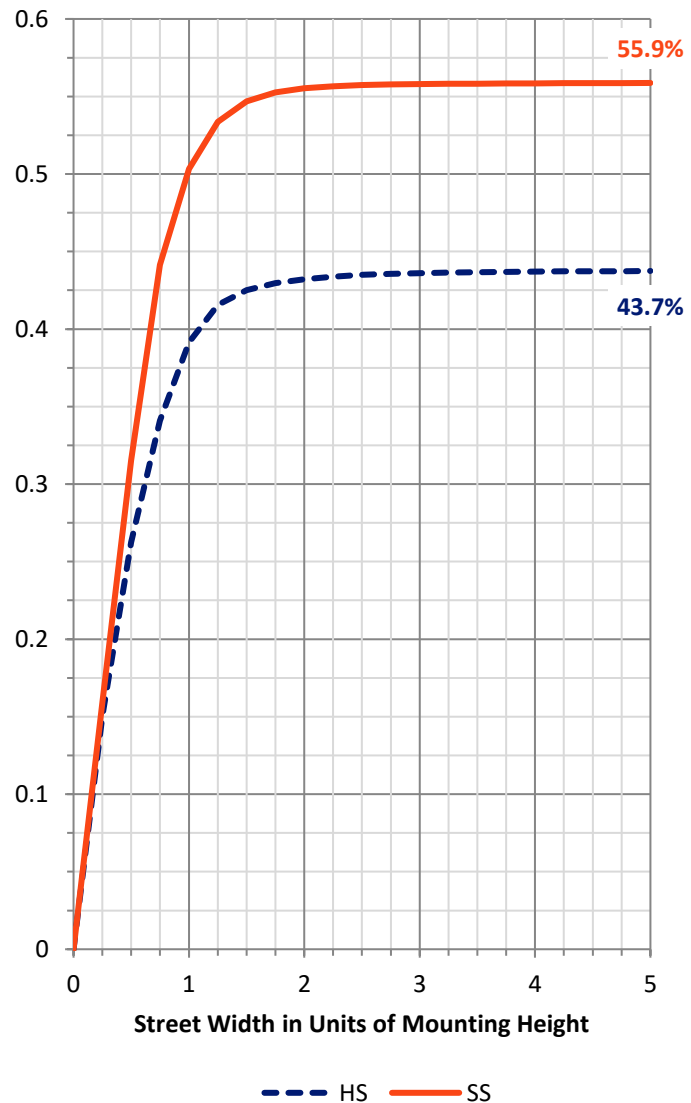
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11129.6	0.0	11129.6
	% Fixture	44.1	0.0	44.1
Street Side	Lumens	14086.8	0.0	14086.8
	% Fixture	55.9	0.0	55.9
Total	Lumens	25216.5	0.0	25216.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	980.1	3.9
10°-20°	2850.5	11.3
20°-30°	4578.2	18.2
30°-40°	5677.1	22.5
40°-50°	5589.5	22.2
50°-60°	3905.5	15.5
60°-70°	1616.4	6.4
70°-80°	334.0	1.3
80°-90°	45.8	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°	25216.5	100.0
0°-180°	25216.5	100.0

Coefficient of Utilization



REPORT NUMBER: P214477

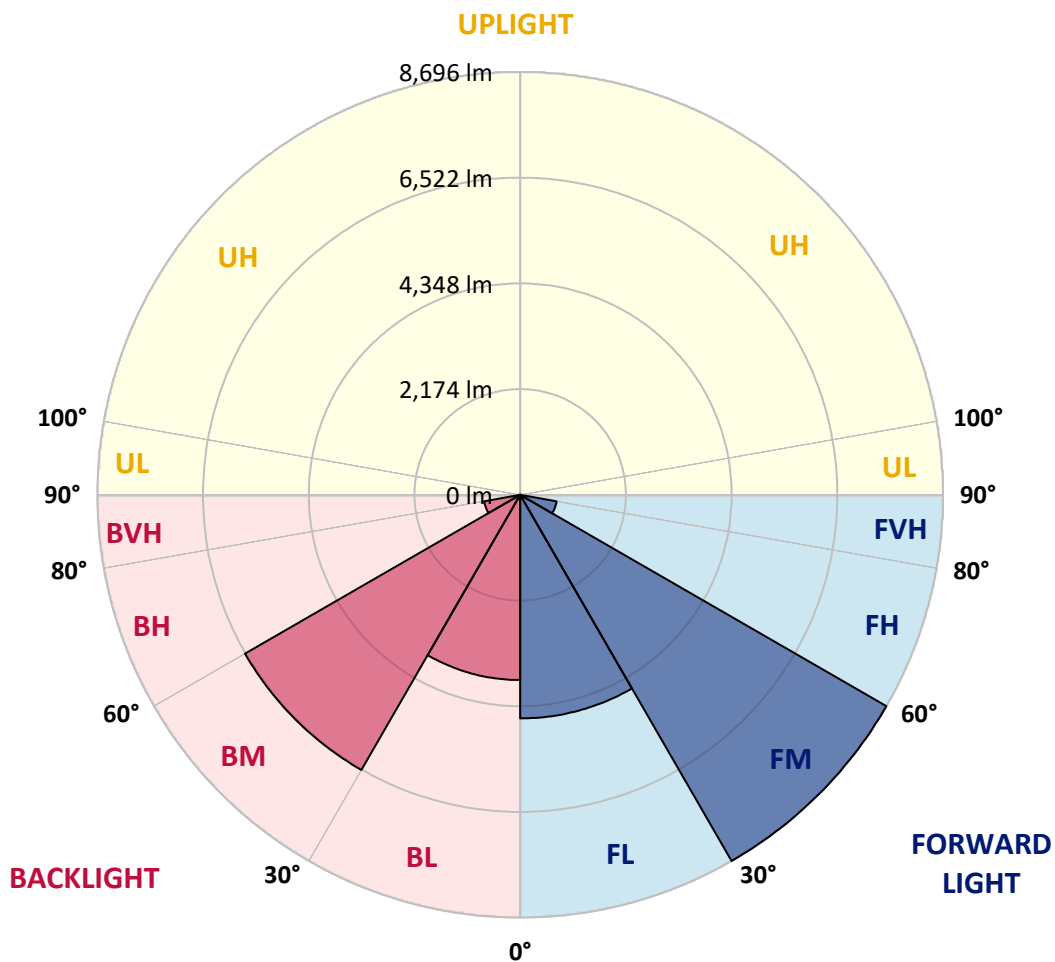
CATALOG NUMBER: NFFLD-L-C75-D-UNV-66-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4598.1	18.2			
FM	(30°-60°)	8695.8	34.5			
FH	(60°-80°)	761.3	3.0			G1/1800
FVH	(80°-90°)	19.8	0.1			G1/100
BL	(0°-30°)	3808.0	15.1	B4/5000		
BM	(30°-60°)	6534.4	25.9	B4/8500		
BH	(60°-80°)	752.6	3.0	B2/1000		G2/1000
BVH	(80°-90°)	25.0	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: P214477

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66-7030

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8
1°	10157.7	10158.2	10161.5	10167.4	10175.8	10186.5	10199.1	10213.3	10228.5	10244.4	10259.0
3°	10096.8	10100.4	10106.0	10114.6	10125.4	10138.1	10152.5	10167.8	10208.3	10250.3	10303.2
5°	10124.7	10129.3	10126.5	10122.6	10119.7	10117.4	10135.1	10165.8	10204.9	10277.5	10346.9
7°	10219.5	10214.5	10199.0	10175.4	10146.4	10128.8	10127.5	10158.6	10220.4	10310.6	10383.6
9°	10349.5	10340.1	10312.0	10263.3	10198.4	10149.8	10127.4	10141.4	10223.6	10322.3	10386.3
11°	10532.5	10522.2	10471.0	10374.5	10261.9	10180.2	10134.2	10144.1	10218.9	10306.9	10346.1
13°	10745.5	10734.0	10660.3	10519.3	10363.2	10228.5	10146.8	10145.7	10232.6	10295.9	10294.8
15°	11016.6	10994.9	10889.8	10687.4	10490.6	10302.8	10172.8	10163.5	10267.3	10284.1	10220.2
17°	11318.6	11297.6	11155.1	10898.6	10634.8	10384.3	10205.1	10185.2	10288.9	10275.3	10128.7
19.5°	11739.6	11711.2	11520.6	11223.1	10841.0	10507.5	10273.0	10209.7	10413.4	10565.5	10083.3
22.5°	12381.1	12316.0	12052.3	11640.2	11166.3	10697.3	10356.9	10138.7	10133.5	10061.5	9723.1
25.5°	13142.2	13021.2	12706.1	12187.9	11596.4	10939.3	10281.2	9982.8	9895.8	9723.5	9411.7
29°	13520.6	13408.1	13230.2	12901.2	12103.2	11144.2	10262.7	9898.6	9620.2	9368.6	9073.7
33°	12420.7	12436.0	12696.6	13133.2	12504.7	11318.8	10326.8	9862.4	9305.4	8803.6	8567.7
37.5°	9238.6	9430.7	10251.2	11544.3	12034.0	11549.0	10456.8	9863.4	9044.0	8537.6	8148.1
42.5°	6507.6	6711.0	7329.1	8201.1	9620.8	10882.7	10707.1	9924.8	8753.8	8376.0	7941.4
47.5°	5726.5	5657.0	5792.1	5901.0	6750.7	8736.8	10522.0	9801.7	8224.0	7935.9	7731.9
55°	1673.0	1970.1	2652.4	3340.4	4331.6	4988.2	7721.2	7691.2	6619.9	7001.3	6497.9
65°	255.7	278.1	585.8	572.0	837.0	1367.6	1700.1	1841.1	1212.4	307.9	1216.4
75°	30.9	42.7	70.1	62.8	68.2	60.4	101.2	130.5	125.4	217.5	198.2
85°	3.7	32.3	36.5	35.1	38.2	39.7	46.9	53.2	54.1	59.5	57.0
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: P214477

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66-7030

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8
1°	10273.5	10287.4	10300.4	10312.2	10322.4	10330.6	10336.6	10340.0	10336.6	10330.6	10322.4
3°	10352.1	10383.0	10411.6	10437.4	10459.6	10477.2	10487.4	10489.8	10487.4	10477.2	10459.6
5°	10400.0	10449.3	10481.1	10480.0	10479.3	10479.4	10481.1	10483.2	10481.1	10479.4	10479.3
7°	10440.4	10461.7	10452.5	10427.8	10385.6	10357.2	10341.2	10337.0	10341.2	10357.2	10385.6
9°	10435.2	10400.6	10334.8	10267.7	10179.6	10107.4	10067.7	10045.3	10067.7	10107.4	10179.6
11°	10335.0	10251.1	10123.3	9973.0	9857.7	9731.4	9642.5	9596.4	9642.5	9731.4	9857.7
13°	10215.0	10041.8	9838.5	9649.3	9486.7	9377.2	9287.8	9243.0	9287.8	9377.2	9486.7
15°	10059.8	9810.0	9582.6	9385.5	9218.4	9143.7	9094.9	9088.0	9094.9	9143.7	9218.4
17°	9873.6	9599.4	9376.3	9199.9	9068.6	8919.7	8839.8	8830.8	8839.8	8919.7	9068.6
19.5°	9696.2	9427.7	9186.0	9004.7	8766.6	8410.5	8211.5	8150.4	8211.5	8410.5	8766.6
22.5°	9477.5	9238.9	8960.4	8603.6	8134.6	7986.9	7919.8	7907.2	7919.8	7986.9	8134.6
25.5°	9183.2	8889.9	8619.7	8069.5	7892.7	7763.9	7696.5	7687.6	7696.5	7763.9	7892.7
29°	8746.2	8380.4	7837.2	7713.7	7581.7	7437.2	7388.9	7376.8	7388.9	7437.2	7581.7
33°	8220.1	7763.2	7313.4	7262.3	7119.9	7050.0	7036.6	7034.4	7036.6	7050.0	7119.9
37.5°	7731.2	7213.5	6915.7	6724.9	6672.6	6690.2	6693.3	6680.2	6693.3	6690.2	6672.6
42.5°	7330.2	6835.6	6430.7	6225.3	6220.6	6202.5	6198.5	6236.4	6198.5	6202.5	6220.6
47.5°	7035.5	6516.8	5906.0	5723.7	5444.4	4802.6	4368.2	4287.2	4368.2	4802.6	5444.4
55°	5962.4	5925.5	4946.4	3767.3	2583.5	1694.4	1160.0	858.9	1160.0	1694.4	2583.5
65°	1829.1	1455.4	890.9	686.2	823.9	725.6	641.7	636.3	641.7	725.6	823.9
75°	252.5	189.3	189.9	132.5	172.3	140.7	89.1	67.6	89.1	140.7	172.3
85°	50.8	46.1	44.7	39.6	33.8	33.4	24.6	0.0	24.6	33.4	33.8
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: P214477

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66-7030

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8	10248.8
1°	10312.2	10300.4	10287.4	10273.5	10259.0	10244.4	10228.5	10213.3	10199.1	10186.5	10175.8
3°	10437.4	10411.6	10383.0	10352.1	10303.2	10250.3	10208.3	10167.8	10152.5	10138.1	10125.4
5°	10480.0	10481.1	10449.3	10400.0	10346.9	10277.5	10204.9	10165.8	10135.1	10117.4	10119.7
7°	10427.8	10452.5	10461.7	10440.4	10383.6	10310.6	10220.4	10158.6	10127.5	10128.8	10146.4
9°	10267.7	10334.8	10400.6	10435.2	10386.3	10322.3	10223.6	10141.4	10127.4	10149.8	10198.4
11°	9973.0	10123.3	10251.1	10335.0	10346.1	10306.9	10218.9	10144.1	10134.2	10180.2	10261.9
13°	9649.3	9838.5	10041.8	10215.0	10294.8	10295.9	10232.6	10145.7	10146.8	10228.5	10363.2
15°	9385.5	9582.6	9810.0	10059.8	10220.2	10284.1	10267.3	10163.5	10172.8	10302.8	10490.6
17°	9199.9	9376.3	9599.4	9873.6	10128.7	10275.3	10288.9	10185.2	10205.1	10384.3	10634.8
19.5°	9004.7	9186.0	9427.7	9696.2	10083.3	10565.5	10413.4	10209.7	10273.0	10507.5	10841.0
22.5°	8603.6	8960.4	9238.9	9477.5	9723.1	10061.5	10133.5	10138.7	10356.9	10697.3	11166.3
25.5°	8069.5	8619.7	8889.9	9183.2	9411.7	9723.5	9895.8	9982.8	10281.2	10939.3	11596.4
29°	7713.7	7837.2	8380.4	8746.2	9073.7	9368.6	9620.2	9898.6	10262.7	11144.2	12103.2
33°	7262.3	7313.4	7763.2	8220.1	8567.7	8803.6	9305.4	9862.4	10326.8	11318.8	12504.7
37.5°	6724.9	6915.7	7213.5	7731.2	8148.1	8537.6	9044.0	9863.4	10456.8	11549.0	12034.0
42.5°	6225.3	6430.7	6835.6	7330.2	7941.4	8376.0	8753.8	9924.8	10707.1	10882.7	9620.8
47.5°	5723.7	5906.0	6516.8	7035.5	7731.9	7935.9	8224.0	9801.7	10522.0	8736.8	6750.7
55°	3767.3	4946.4	5925.5	5962.4	6497.9	7001.3	6619.9	7691.2	7721.2	4988.2	4331.6
65°	686.2	890.9	1455.4	1829.1	1216.4	307.9	1212.4	1841.1	1700.1	1367.6	837.0
75°	132.5	189.9	189.3	252.5	198.2	217.5	125.4	130.5	101.2	60.4	68.2
85°	39.6	44.7	46.1	50.8	57.0	59.5	54.1	53.2	46.9	39.7	38.2
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: P214477

CATALOG NUMBER: NFFLD-L-C75-D-UNV-66-7030

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	10248.8	10248.8	10248.8	10248.8
1°	10167.4	10161.5	10158.2	10157.7
3°	10114.6	10106.0	10100.4	10096.8
5°	10122.6	10126.5	10129.3	10124.7
7°	10175.4	10199.0	10214.5	10219.5
9°	10263.3	10312.0	10340.1	10349.5
11°	10374.5	10471.0	10522.2	10532.5
13°	10519.3	10660.3	10734.0	10745.5
15°	10687.4	10889.8	10994.9	11016.6
17°	10898.6	11155.1	11297.6	11318.6
19.5°	11223.1	11520.6	11711.2	11739.6
22.5°	11640.2	12052.3	12316.0	12381.1
25.5°	12187.9	12706.1	13021.2	13142.2
29°	12901.2	13230.2	13408.1	13520.6
33°	13133.2	12696.6	12436.0	12420.7
37.5°	11544.3	10251.2	9430.7	9238.6
42.5°	8201.1	7329.1	6711.0	6507.6
47.5°	5901.0	5792.1	5657.0	5726.5
55°	3340.4	2652.4	1970.1	1673.0
65°	572.0	585.8	278.1	255.7
75°	62.8	70.1	42.7	30.9
85°	35.1	36.5	32.3	3.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)