

**REPORT NUMBER:** PRORATED FROM RAB04729

**PAGE:** 1 OF 10

**ISSUE DATE:** 12/18/18

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** W34-70L-480

**LUMINAIRE:** WALLPACK WITH ALUMINUM PRECISION DIE CAST CONSTRUCTION, CLEAR GLASS LENS AND SPECULAR ALUMINUM REFLECTOR.

**LAMPS:** ONE HUNDRED AND FORTY FOUR WHITE LIGHT EMITTING DIODES (LEDs)

**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04729 WHICH WAS W34-70L-830-480. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 67.3 W AT 480.0 VAC.

**LED DRIVER:** LED DRIVER: XH095C275V054BSF1

**NOTE:** LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE



Checked X.CAO

Approved D.WANG-MUNSON

**REPORT NUMBER:** PRORATED FROM RAB04729

**PAGE:** 2 OF 10

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**CATALOG NUMBER:** W34-70L-480

## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

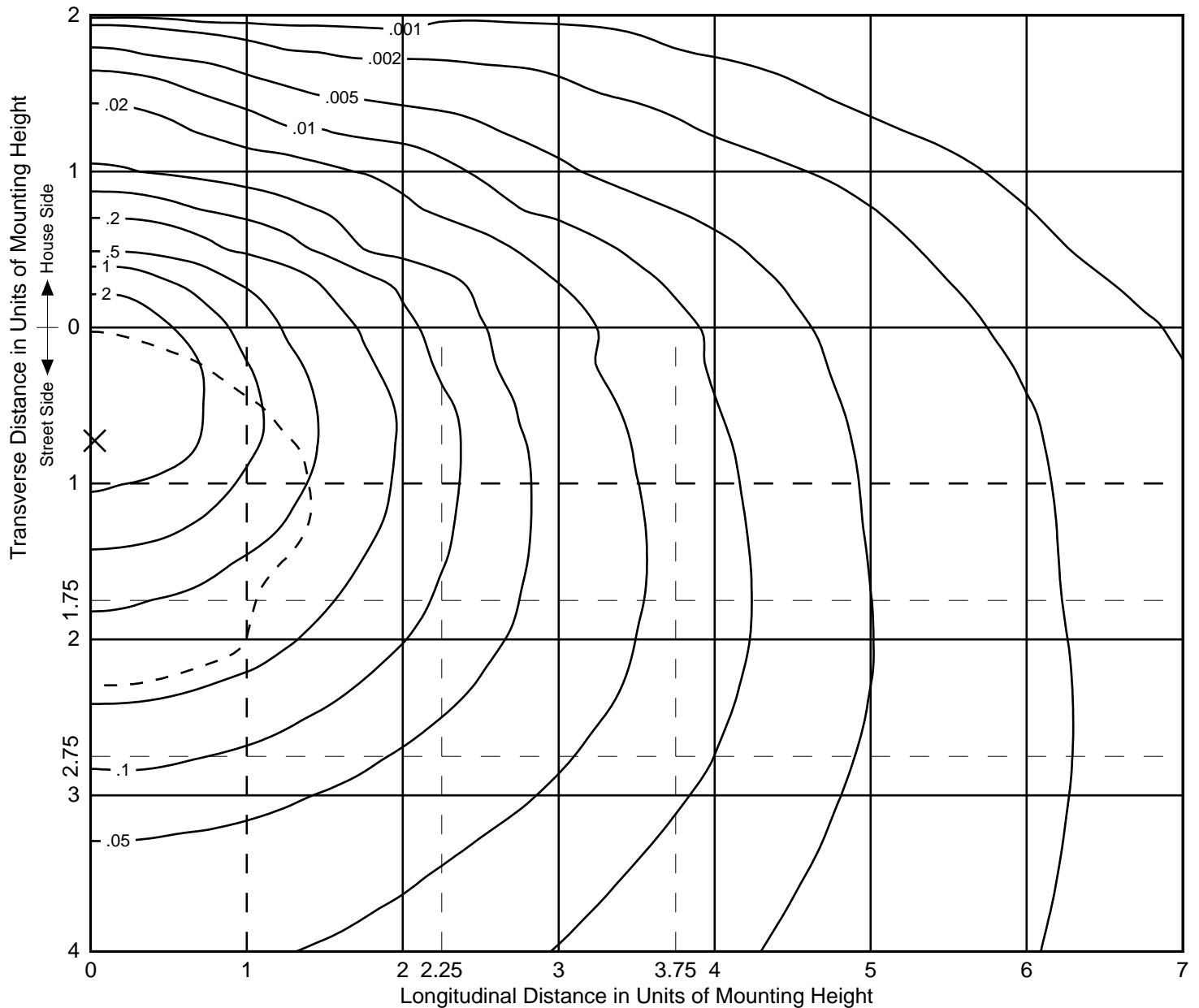
Values based on 24-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — — 1/2 Maximum Candela trace

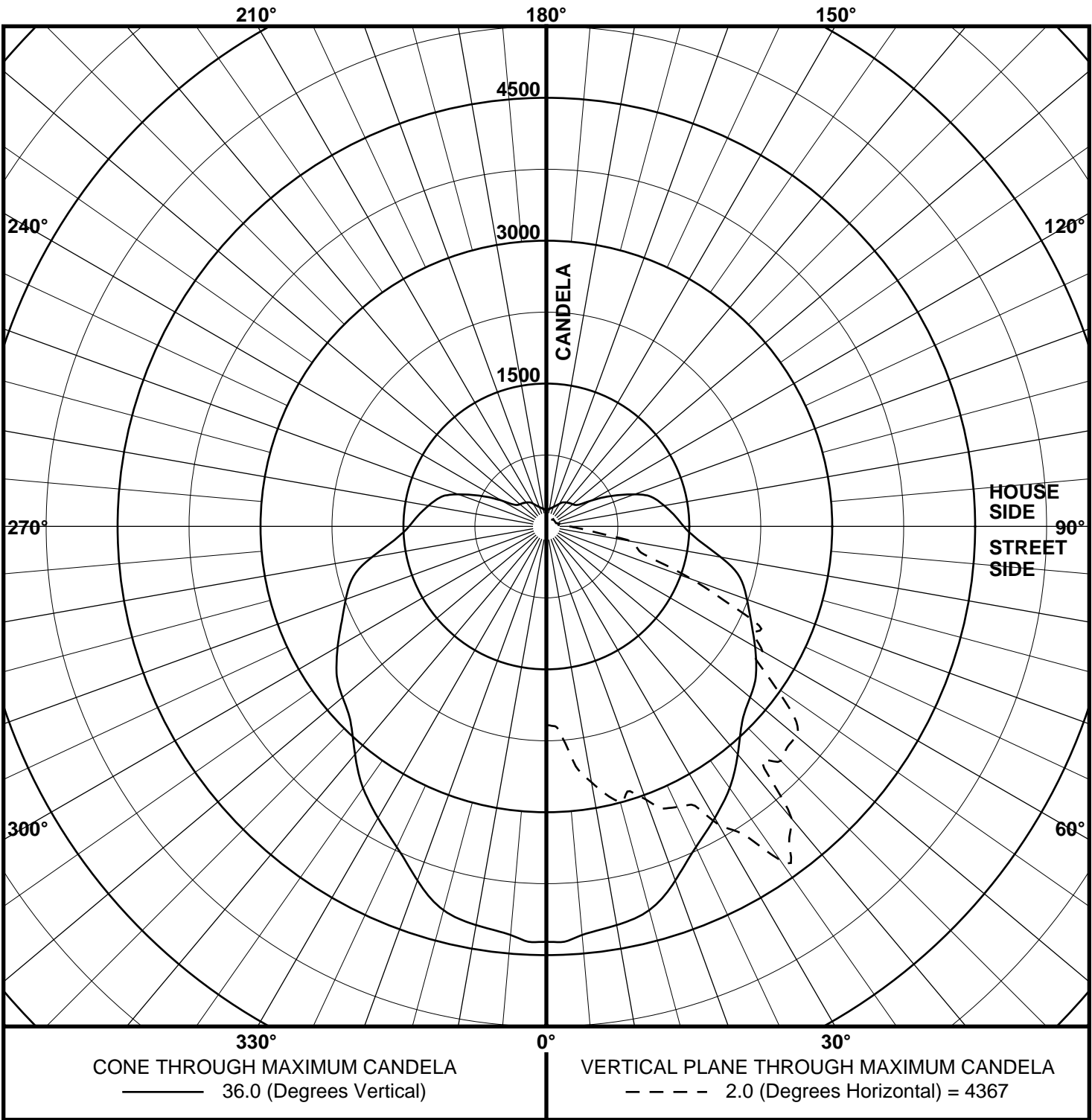
× Maximum Candela point



**REPORT NUMBER:** PRORATED FROM RAB04729  
**ISSUE DATE:** 12/18/18  
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**CATALOG NUMBER:** W34-70L-480

**PAGE:** 3 OF 10

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



**REPORT NUMBER:** PRORATED FROM RAB04729

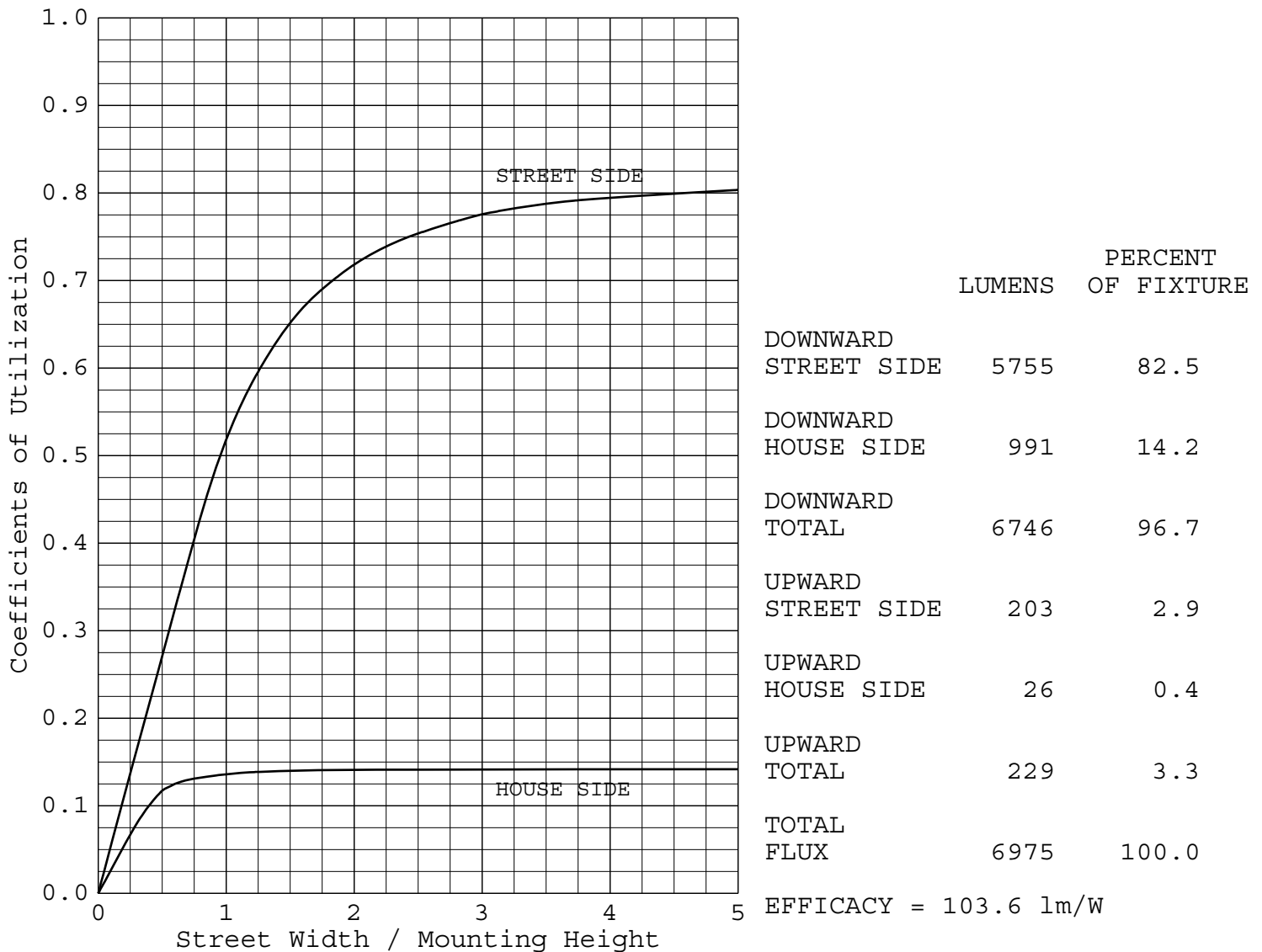
**PAGE:** 4 OF 10

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**CATALOG NUMBER:** W34-70L-480

### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



ALL CANDELA AND LUMENS IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY. THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

**REPORT NUMBER:** PRORATED FROM RAB04729

**PAGE:** 5 OF 10

**ISSUE DATE:** 12/18/18

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**CATALOG NUMBER:** W34-70L-480

BUG Rating				B1	U3	G2
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		5755	82.5			
FL	(0° – 30°)	1109.1	15.9			
FM	(30° – 60°)	3084.5	44.2			
FH	(60° – 80°)	1368.5	19.6			G1
FVH	(80° – 90°)	193.0	2.8			G2
Backward		991	14.2			
BL	(0° – 30°)	453.0	6.5	B1		
BM	(30° – 60°)	431.5	6.2	B1		
BH	(60° – 80°)	95.9	1.4	B0		G0
BVH	(80° – 90°)	10.9	0.2			G1
Upward		229	3.3			
UL	(90° – 100°)	67.0	1.0		U3	
UH	(100° – 180°)	161.5	2.3		U3	
Trapped Light		0	0.0			
Total Flux		6975	100.0			

**REPORT NUMBER:** PRORATED FROM RAB04729

**PAGE:** 6 OF 10

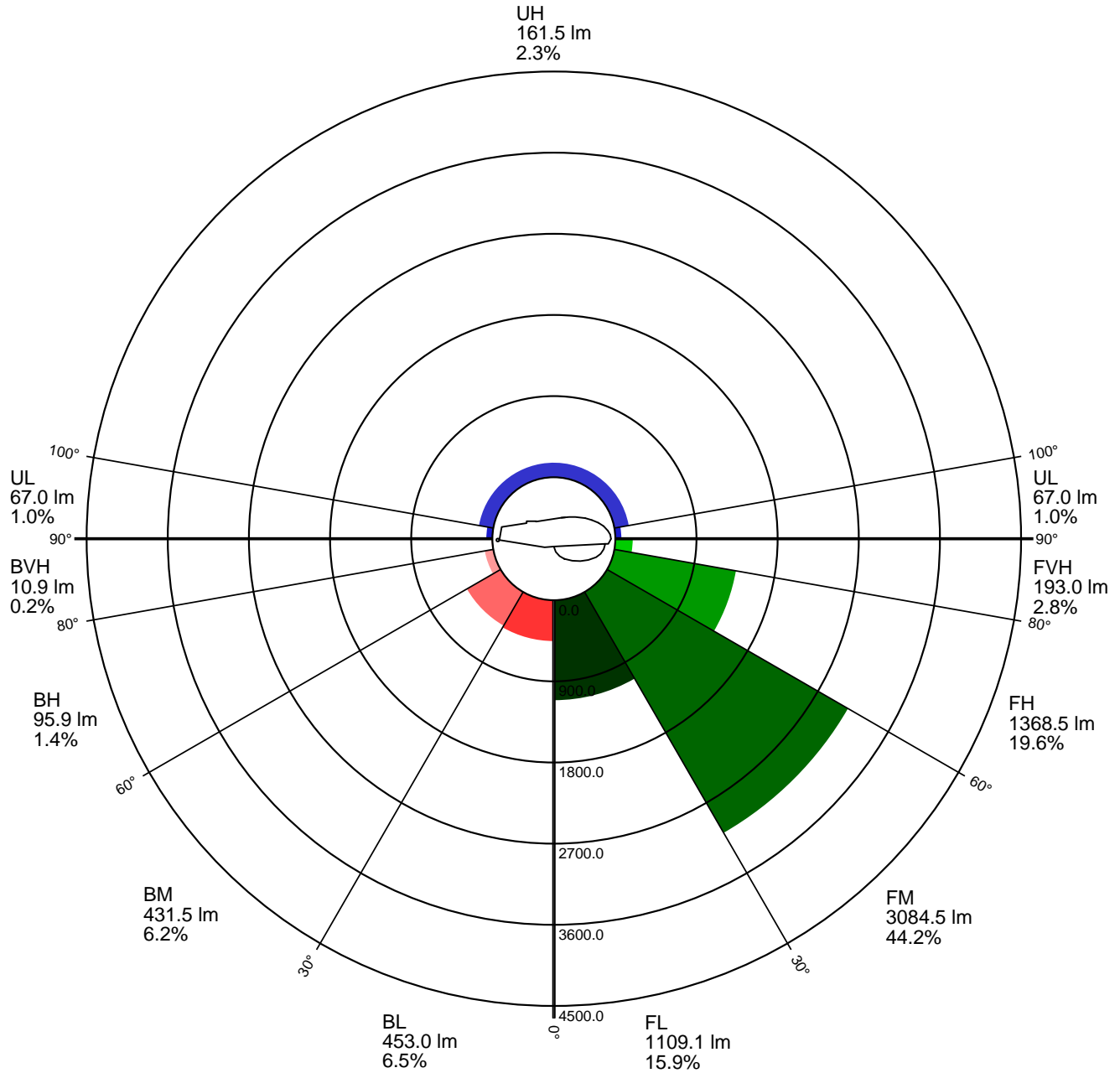
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**CATALOG NUMBER:** W34-70L-480

## Zonal Lumen Summary

(Linear scale)



**REPORT NUMBER:** PRORATED FROM RAB04729

**PAGE:** 7 OF 10

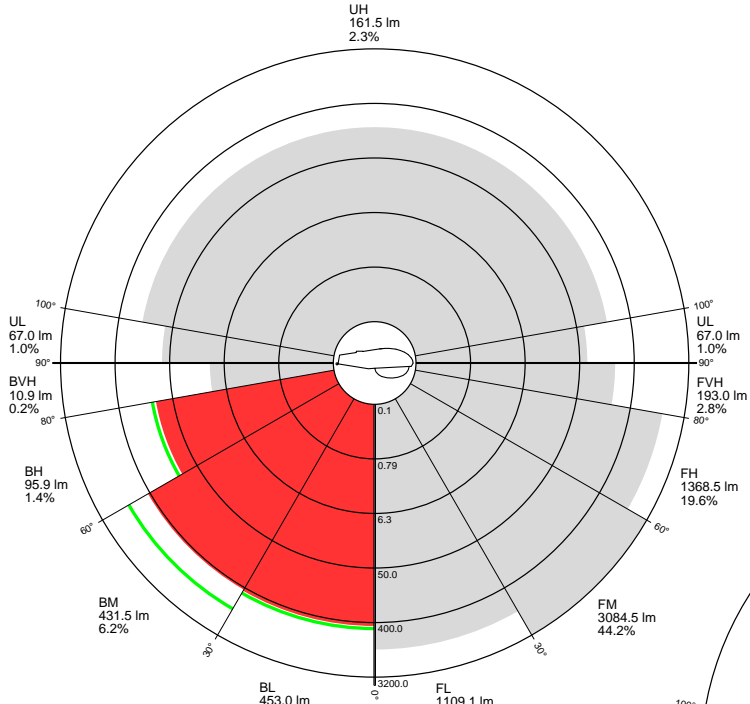
**ISSUE DATE:** 12/18/18

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** W34-70L-480

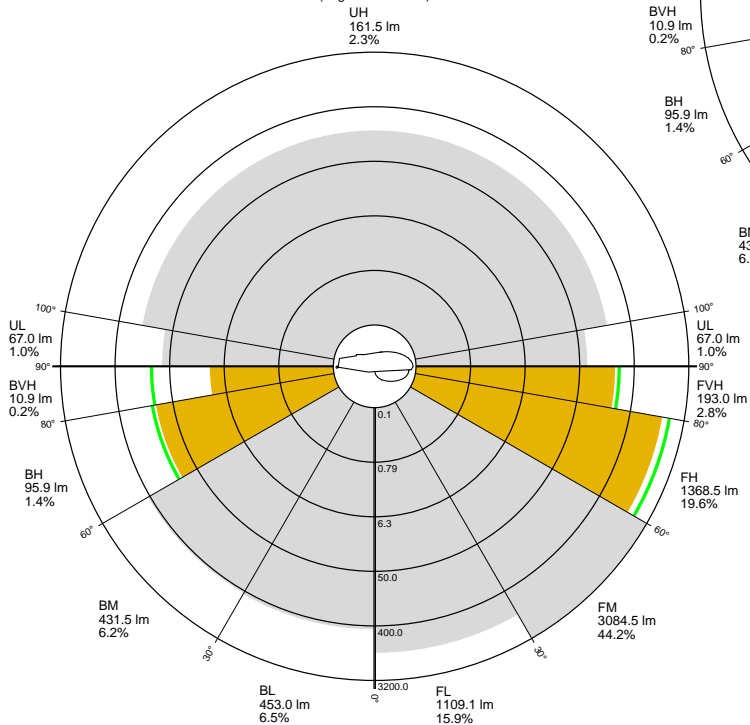
### Backlight Rating Details

(Logarithmic scale)



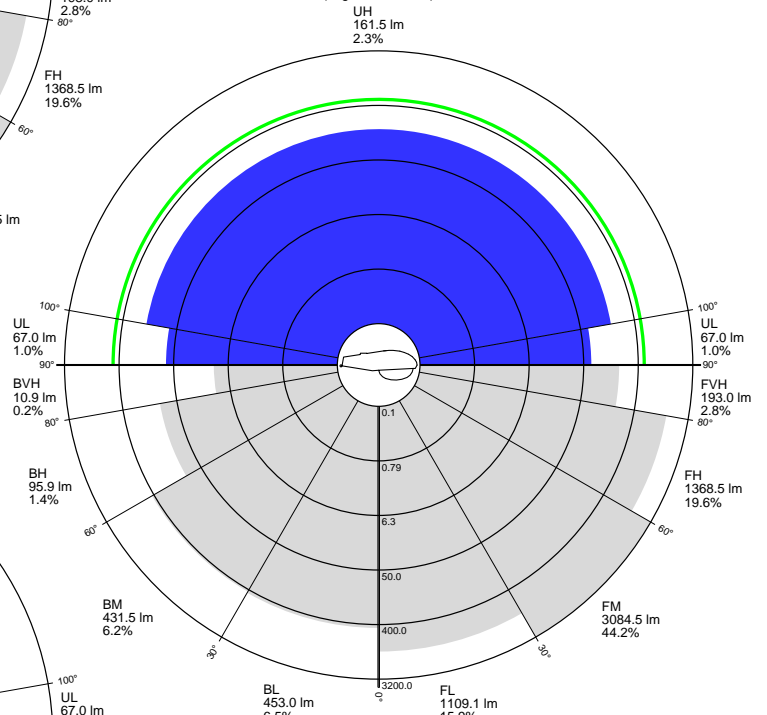
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



PAGE: 8 OF 10

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: W34-70L-480

STREET SIDE

0.0      2.0      5.0    15.0    25.0    35.0    45.0    55.0    65.0    75.0    85.0

	180.0	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	175.0	2.	2.	2.	2.	3.	4.	4.	5.	6.	6.
	165.0	11.	11.	11.	10.	9.	8.	7.	6.	6.	7.
	155.0	31.	31.	31.	29.	27.	21.	17.	12.	9.	7.
	145.0	69.	70.	69.	65.	58.	47.	37.	26.	15.	10.
	135.0	105.	105.	104.	98.	87.	72.	58.	42.	28.	14.
	125.0	114.	114.	113.	109.	96.	80.	65.	51.	36.	19.
	115.0	106.	106.	105.	99.	88.	75.	64.	53.	43.	33.
	105.0	130.	130.	129.	117.	104.	87.	74.	63.	52.	38.
	95.0	147.	146.	146.	140.	138.	126.	113.	102.	90.	58.
	92.5	188.	188.	191.	184.	172.	151.	138.	132.	113.	70.
	90.0	240.	243.	241.	231.	215.	188.	184.	175.	143.	90.
	87.5	302.	306.	305.	291.	279.	272.	266.	240.	203.	121.
	85.0	400.	416.	404.	390.	377.	364.	400.	365.	276.	176.
V	82.5	564.	565.	569.	567.	633.	592.	559.	461.	357.	264.
E	80.0	896.	900.	897.	891.	827.	728.	630.	570.	491.	362.
R	77.5	950.	962.	962.	937.	860.	779.	773.	774.	651.	474.
T	75.0	992.	1013.	990.	980.	980.	967.	1057.	1003.	807.	588.
I	72.5	1221.	1239.	1228.	1251.	1289.	1357.	1379.	1246.	968.	719.
C	70.0	1617.	1627.	1676.	1707.	1716.	1702.	1648.	1450.	1143.	877.
A	67.5	1992.	2002.	1987.	2003.	2112.	2030.	1815.	1580.	1318.	1072.
L	65.0	2429.	2465.	2455.	2450.	2258.	2052.	1971.	1824.	1458.	1241.
	62.5	2426.	2451.	2432.	2368.	2294.	2258.	2129.	2028.	1646.	1343.
A	60.0	2603.	2616.	2577.	2552.	2503.	2366.	2439.	2144.	1858.	1430.
N	57.5	2590.	2613.	2554.	2639.	2635.	2734.	2599.	2274.	1979.	1487.
G	55.0	2916.	2928.	2904.	2943.	3062.	2918.	2659.	2453.	2066.	1554.
L	52.5	3296.	3275.	3248.	3293.	3220.	2971.	2756.	2627.	2162.	1597.
E	50.0	3437.	3422.	3432.	3281.	3223.	3061.	2948.	2705.	2214.	1649.
	47.5	3471.	3430.	3441.	3425.	3252.	3179.	3127.	2712.	2233.	1738.
	45.0	3518.	3478.	3462.	3360.	3332.	3482.	3233.	2738.	2253.	1845.
	42.5	3355.	3349.	3363.	3554.	3781.	3680.	3128.	2733.	2296.	1919.
	40.0	3959.	4001.	4000.	4032.	3994.	3653.	3068.	2727.	2335.	1973.
	37.5	4137.	4185.	4168.	4230.	3968.	3421.	2989.	2716.	2386.	2066.
	36.0<<	4361.	4367.	4305.	4171.	3714.	3354.	2906.	2688.	2370.	2108.
	35.0	4263.	4276.	4219.	4016.	3593.	3298.	2917.	2691.	2396.	2135.
	30.0	3604.	3614.	3624.	3511.	3193.	3120.	2841.	2703.	2465.	2253.
	25.0	3262.	3250.	3217.	3180.	3102.	2908.	2817.	2636.	2651.	2312.
	20.0	3076.	3051.	3025.	3006.	3003.	2727.	2682.	2619.	2528.	2130.
	15.0	3002.	2999.	2958.	2850.	2709.	2866.	2657.	2730.	2583.	2215.
	10.0	2735.	2730.	2708.	2812.	2867.	2698.	2556.	2445.	2235.	2129.
	5.0	2277.	2289.	2286.	2249.	2250.	2297.	2276.	2184.	2027.	1958.
	0.0	2085.	2085.	2085.	2085.	2085.	2085.	2085.	2085.	2085.	2085.

PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



REPORT NUMBER: PRORATED FROM RAB04729

PAGE: 9 OF 10

ISSUE DATE: 12/18/18

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CATALOG NUMBER: W34-70L-480

### CANDELA TABULATION

	LATERAL ANGLE										
	HOUSE SIDE	90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0 180.0
	180.0	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	175.0	7.	7.	6.	6.	6.	5.	5.	4.	4.	4.
	165.0	7.	7.	7.	7.	6.	6.	6.	6.	6.	6.
	155.0	7.	7.	7.	7.	7.	7.	7.	8.	7.	8.
	145.0	8.	8.	7.	7.	7.	7.	8.	8.	8.	8.
	135.0	10.	8.	8.	7.	7.	7.	7.	8.	8.	8.
	125.0	14.	11.	8.	7.	7.	6.	6.	7.	7.	7.
	115.0	23.	16.	10.	8.	7.	6.	6.	6.	6.	6.
	105.0	27.	22.	13.	9.	7.	6.	6.	6.	6.	6.
	95.0	23.	22.	17.	11.	7.	6.	5.	5.	5.	5.
	92.5	29.	23.	18.	12.	8.	6.	5.	4.	4.	4.
	90.0	43.	28.	22.	13.	8.	5.	4.	4.	4.	4.
	87.5	71.	40.	29.	16.	8.	5.	4.	4.	4.	4.
	85.0	118.	59.	40.	19.	9.	5.	4.	3.	3.	3.
V	82.5	174.	102.	55.	24.	11.	5.	4.	3.	3.	3.
E	80.0	232.	169.	73.	32.	13.	6.	4.	3.	2.	3.
R	77.5	312.	244.	94.	41.	15.	6.	3.	3.	2.	2.
T	75.0	395.	300.	114.	54.	19.	6.	3.	3.	2.	2.
I	72.5	460.	348.	143.	71.	28.	7.	3.	2.	2.	1.
C	70.0	531.	436.	171.	97.	39.	9.	3.	2.	2.	1.
A	67.5	609.	561.	194.	123.	51.	21.	5.	2.	1.	0.
L	65.0	701.	657.	206.	153.	67.	34.	16.	4.	1.	0.
	62.5	782.	733.	234.	184.	86.	44.	30.	22.	12.	7.
A	60.0	865.	833.	294.	215.	108.	55.	41.	36.	31.	31.
N	57.5	944.	910.	367.	239.	132.	69.	51.	48.	48.	47.
G	55.0	978.	967.	442.	261.	162.	85.	63.	58.	60.	60.
L	52.5	1047.	1039.	534.	284.	195.	101.	74.	69.	69.	71.
E	50.0	1140.	1075.	648.	305.	230.	124.	86.	78.	82.	83.
	47.5	1204.	1102.	759.	335.	259.	161.	98.	85.	84.	87.
	45.0	1268.	1164.	858.	366.	287.	204.	125.	93.	91.	89.
	42.5	1313.	1210.	928.	424.	312.	248.	167.	112.	97.	96.
	40.0	1350.	1251.	1061.	517.	338.	296.	217.	156.	123.	106.
	37.5	1405.	1325.	1135.	699.	368.	333.	274.	205.	170.	153.
	36.0<<	1440.	1347.	1163.	757.	391.	346.	308.	240.	200.	179.
	35.0	1481.	1399.	1203.	796.	409.	356.	333.	268.	224.	199.
	30.0	1598.	1452.	1350.	1024.	694.	412.	375.	354.	345.	329.
	25.0	1720.	1457.	1342.	1269.	1037.	742.	446.	417.	406.	383.
	20.0	1842.	1570.	1426.	1525.	1245.	1121.	915.	784.	508.	471.
	15.0	1968.	1738.	1491.	1471.	1599.	1267.	1139.	1184.	1134.	1067.
	10.0	2039.	1928.	1699.	1408.	1599.	1272.	1486.	1535.	1306.	1239.
	5.0	2066.	2087.	1818.	1654.	1756.	1816.	1582.	1395.	1353.	1357.
	0.0	2085.	2085.	2085.	2085.	2085.	2085.	2085.	2085.	2085.	2085.

CONE OF MAXIMUM CANDELA

**REPORT NUMBER:** PRORATED FROM RAB04729

**PAGE:** 10 OF 10

**ISSUE DATE:** 12/18/18

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**CATALOG NUMBER:** W34-70L-480

5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	46
5- 10	140
10- 15	236
15- 20	312
20- 25	381
25- 30	447
30- 35	521
35- 40	592
40- 45	610
45- 50	616
50- 55	612
55- 60	566
60- 65	510
65- 70	435
70- 75	309
75- 80	210
80- 85	135
85- 90	69
90- 95	40
95-100	28
100-105	24
105-110	21
110-115	19
115-120	18
120-125	17
125-130	16
130-135	14
135-140	11
140-145	8
145-150	6
150-155	4
155-160	2
160-165	1
165-170	1
170-175	0
175-180	0

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	186
0- 20	734
0- 30	1562
0- 40	2675
0- 50	3900
0- 60	5078
0- 70	6023
0- 80	6543
0- 90	6746
0-100	6813
0-110	6859
0-120	6895
0-130	6927
0-140	6952
0-150	6966
0-160	6972
0-170	6974
0-180	6975