

**REPORT NUMBER:** PRORATED FROM RAB04724

**PAGE:** 1 OF 10

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

**PREPARED FOR:** RAB LIGHTING INC.

**CATALOG NUMBER:** W34-55L-480

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

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

**ABSOLUTE:** NOTE: THIS REPORT WAS PRORATED FROM RAB04724 WHICH WAS W34-55L-830-480. ACTUAL PERFORMANCE MAY VARY.

**WATT:** TOTAL INPUT WATTS = 51.7 W AT 480.0 VAC.

**LED DRIVER:** LED DRIVER: XH055C180V054BSY1

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



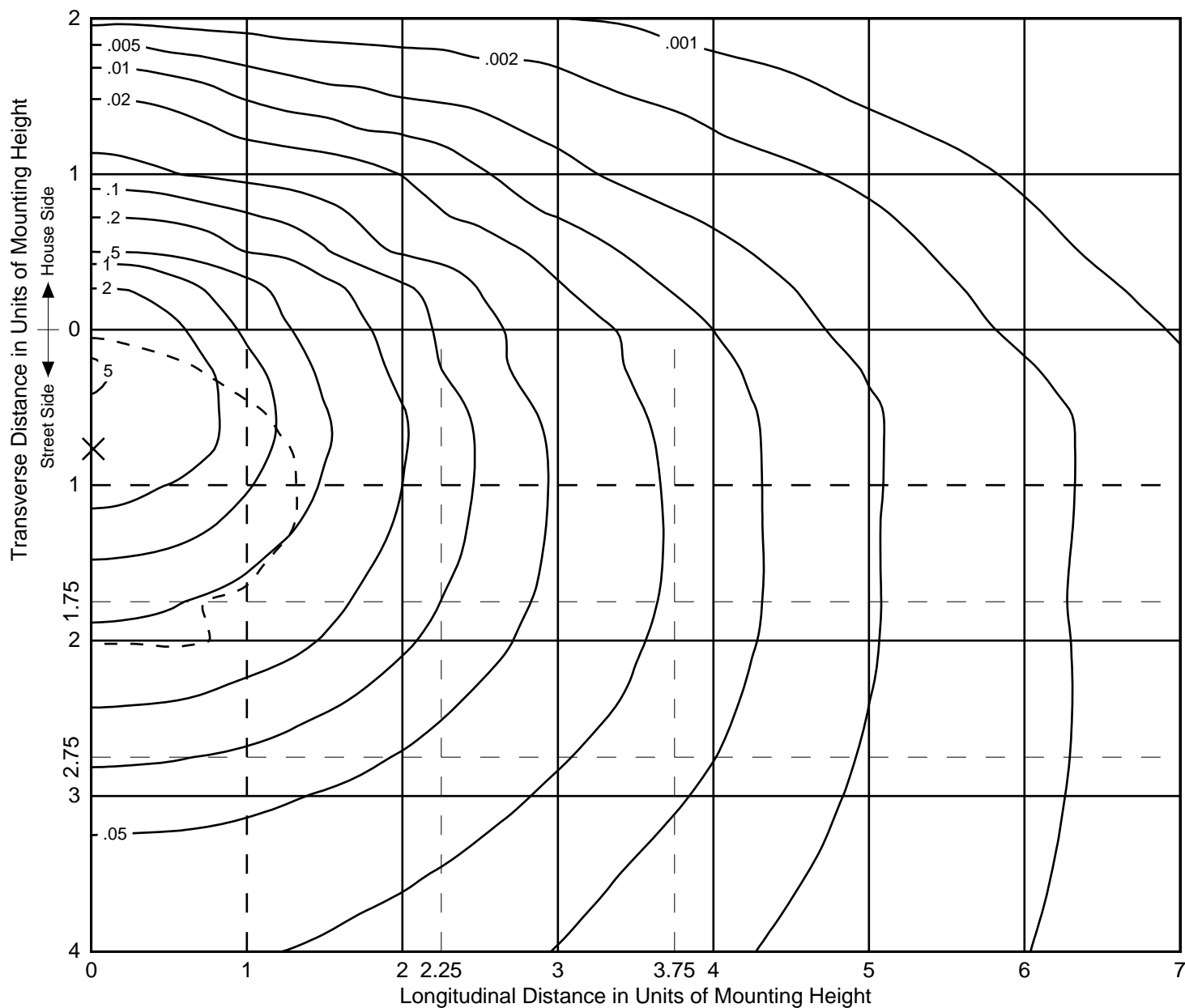
Checked X.CAO

Approved D.WANG-MUNSON

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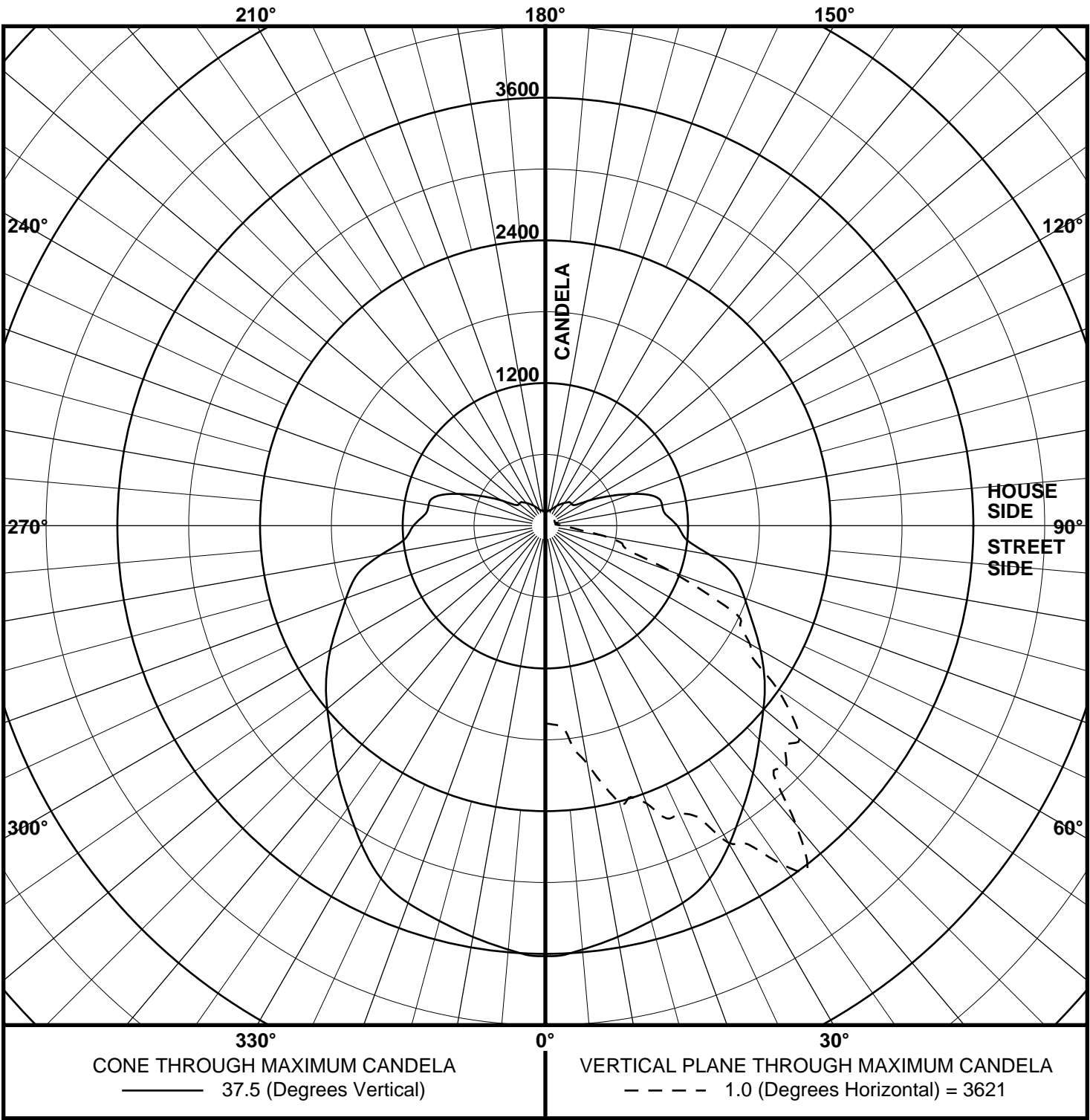
✕ Maximum Candela point



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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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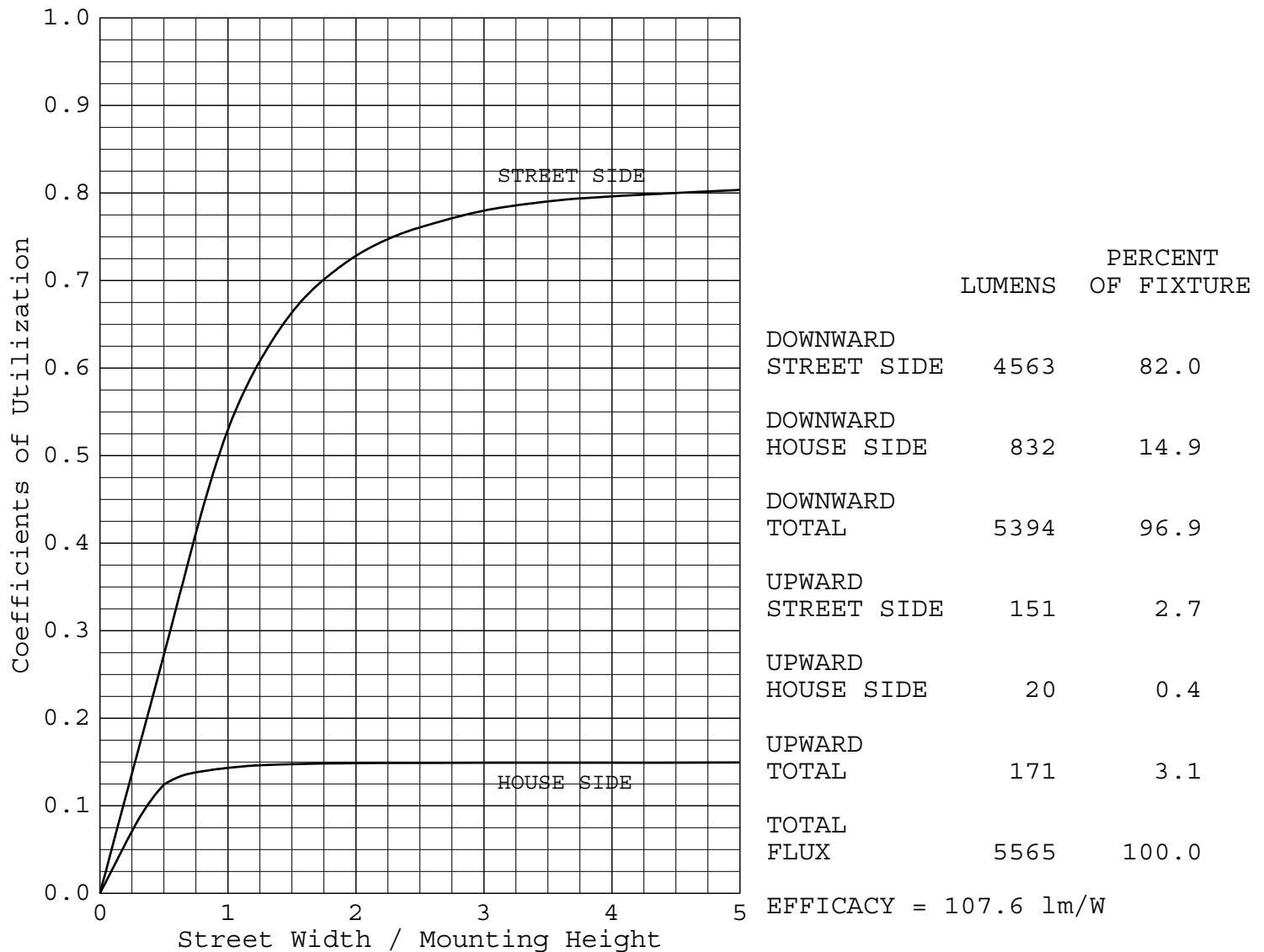
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



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.

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BUG Rating			B1 U3 G2		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	4563			
FM	(30° – 60°)	890.7			
FH	(60° – 80°)	2521.5			
FVH	(80° – 90°)	1029.4			G1
		121.0			G2
Backward					
BL	(0° – 30°)	832			
BM	(30° – 60°)	381.6	B1		
BH	(60° – 80°)	363.7	B1		
BVH	(80° – 90°)	78.4	B0		G0
		8.0			G0
Upward					
UL	(90° – 100°)	171			
UH	(100° – 180°)	44.0		U2	
		127.0		U3	
Trapped Light					
Total Flux					
		0			
		5565			
		100.0			

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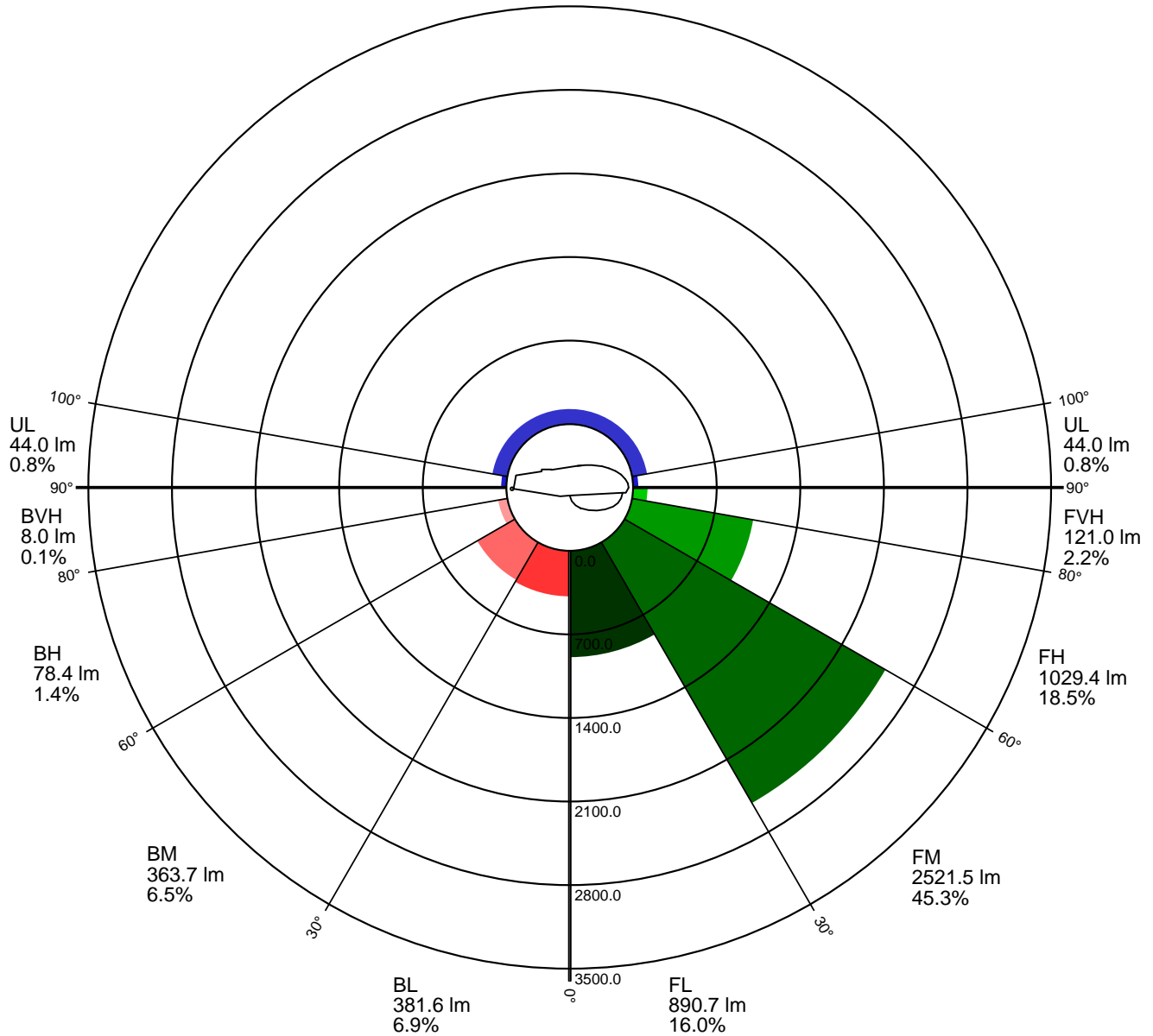
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## Zonal Lumen Summary

(Linear scale)

UH  
127.0 lm  
2.3%



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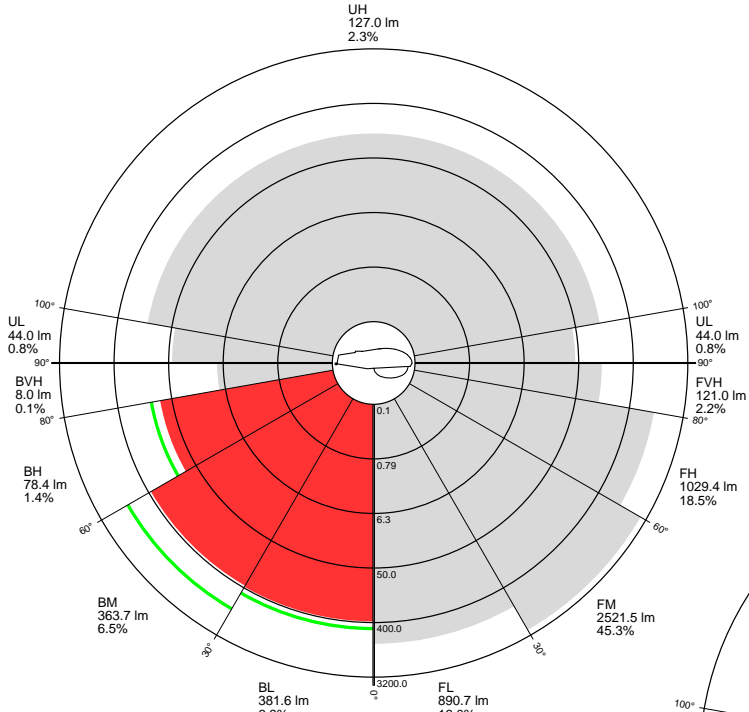
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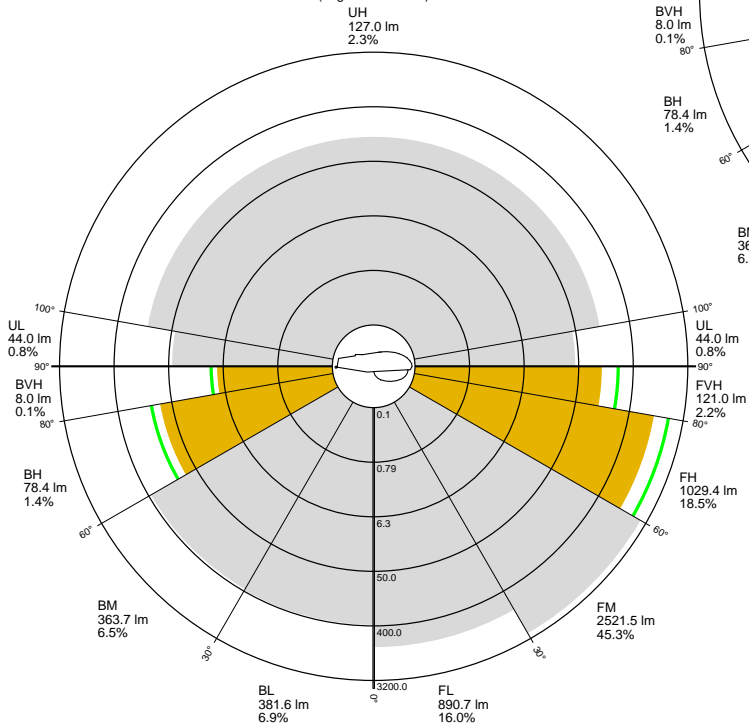
### Backlight Rating Details

(Logarithmic scale)



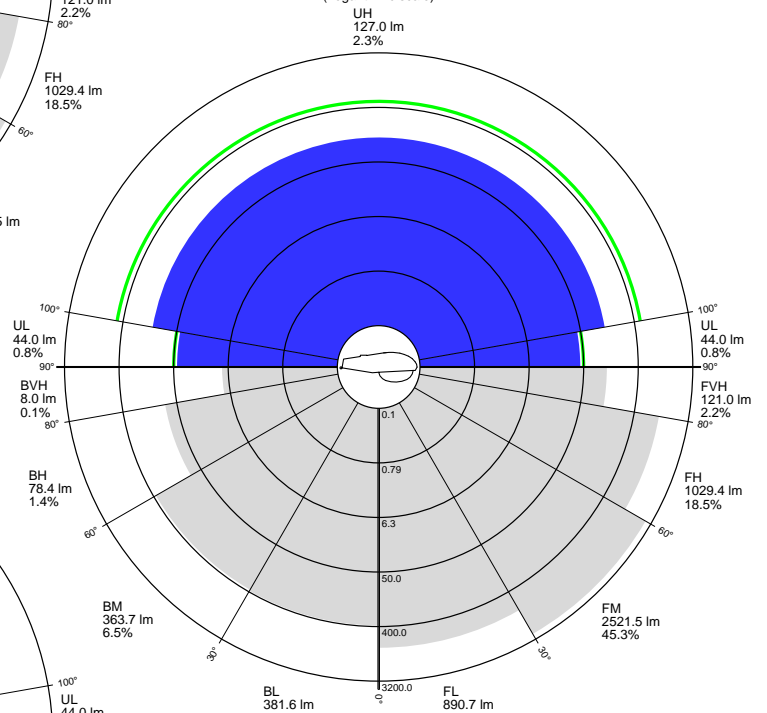
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	STREET SIDE		LATERAL ANGLE								
	0.0	1.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0
180.0	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
175.0	1.	1.	1.	2.	2.	3.	3.	4.	4.	5.	5.
165.0	9.	9.	9.	9.	8.	7.	6.	5.	4.	5.	5.
155.0	27.	27.	27.	26.	21.	18.	14.	10.	7.	5.	5.
145.0	58.	58.	57.	55.	50.	40.	30.	21.	12.	9.	7.
135.0	83.	83.	83.	81.	75.	64.	48.	33.	21.	12.	10.
125.0	94.	95.	94.	91.	80.	66.	52.	39.	26.	14.	12.
115.0	84.	84.	84.	80.	71.	60.	47.	39.	31.	23.	19.
105.0	101.	99.	97.	91.	78.	64.	50.	42.	36.	28.	22.
95.0	95.	95.	94.	93.	88.	82.	69.	63.	59.	41.	27.
92.5	115.	115.	113.	114.	108.	98.	84.	83.	75.	49.	30.
90.0	150.	151.	149.	148.	137.	121.	112.	112.	95.	62.	39.
87.5	182.	183.	182.	177.	166.	160.	156.	150.	132.	85.	60.
85.0	231.	235.	232.	235.	223.	223.	221.	236.	185.	118.	101.
V 82.5	303.	306.	301.	318.	334.	376.	363.	308.	245.	182.	165.
E 80.0	505.	502.	508.	542.	537.	518.	434.	403.	344.	269.	244.
R 77.5	643.	648.	644.	633.	587.	538.	523.	545.	479.	372.	324.
T 75.0	682.	683.	679.	662.	653.	690.	711.	735.	631.	483.	359.
I 72.5	808.	808.	800.	839.	878.	961.	984.	940.	763.	603.	386.
C 70.0	1101.	1118.	1101.	1156.	1215.	1267.	1247.	1106.	910.	743.	453.
A 67.5	1431.	1434.	1425.	1475.	1520.	1624.	1385.	1212.	1062.	858.	519.
L 65.0	1794.	1783.	1755.	1866.	1778.	1616.	1533.	1399.	1189.	977.	589.
62.5	1843.	1853.	1876.	1833.	1771.	1817.	1671.	1576.	1353.	1094.	674.
A 60.0	2002.	1987.	1967.	1971.	1990.	1935.	1921.	1690.	1512.	1140.	755.
N 57.5	2060.	2066.	2017.	2072.	2111.	2222.	2081.	1807.	1640.	1182.	819.
G 55.0	2376.	2369.	2318.	2394.	2423.	2361.	2181.	1947.	1727.	1238.	877.
L 52.5	2620.	2611.	2571.	2633.	2609.	2419.	2294.	2105.	1778.	1317.	921.
E 50.0	2781.	2791.	2776.	2633.	2610.	2536.	2491.	2153.	1813.	1396.	959.
47.5	2751.	2740.	2743.	2773.	2680.	2700.	2687.	2236.	1841.	1443.	990.
45.0	2864.	2866.	2828.	2780.	2769.	2947.	2707.	2255.	1876.	1516.	1024.
42.5	2874.	2843.	2807.	2974.	3110.	3135.	2622.	2234.	1835.	1527.	1053.
40.0	3269.	3276.	3230.	3328.	3342.	2994.	2607.	2215.	1922.	1581.	1122.
37.5<<	3620.	3621.	3578.	3441.	3273.	2898.	2544.	2251.	1923.	1651.	1177.
35.0	3425.	3481.	3502.	3275.	3021.	2847.	2501.	2307.	2018.	1681.	1252.
32.5	3171.	3177.	3174.	3077.	2972.	2642.	2492.	2184.	2029.	1728.	1292.
30.0	3073.	3079.	3060.	2877.	2704.	2569.	2397.	2172.	1997.	1748.	1328.
25.0	2665.	2674.	2649.	2738.	2579.	2381.	2236.	2109.	2026.	1805.	1457.
20.0	2458.	2486.	2445.	2571.	2457.	2332.	2174.	2051.	1975.	1639.	1518.
15.0	2404.	2415.	2391.	2369.	2153.	2237.	2053.	2110.	2008.	1716.	1545.
10.0	2015.	2035.	2020.	2063.	2173.	2084.	1871.	1930.	1658.	1706.	1571.
5.0	1692.	1702.	1710.	1651.	1646.	1713.	1770.	1752.	1634.	1554.	1562.
0.0	1662.	1662.	1662.	1662.	1662.	1662.	1662.	1662.	1662.	1662.	1662.

||  
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



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CANDELA TABULATION												
	HOUSE	SIDE	LATERAL ANGLE									
			90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0
V E R T I C A L  A N G L E	180.0	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	175.0	5.	5.	5.	5.	4.	4.	4.	3.	3.	3.	3.
	165.0	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	155.0	5.	6.	6.	6.	5.	5.	6.	6.	6.	6.	6.
	145.0	6.	6.	6.	6.	6.	6.	6.	6.	6.	6.	6.
	135.0	8.	7.	6.	6.	6.	6.	6.	6.	6.	6.	6.
	125.0	10.	8.	7.	6.	5.	5.	5.	5.	5.	5.	5.
	115.0	18.	12.	7.	6.	5.	5.	4.	4.	4.	4.	4.
	105.0	21.	16.	9.	6.	5.	4.	4.	4.	4.	4.	4.
	95.0	17.	16.	12.	8.	6.	4.	4.	3.	3.	3.	3.
	92.5	20.	17.	14.	9.	6.	4.	3.	3.	3.	3.	3.
	90.0	30.	19.	17.	10.	6.	4.	3.	3.	3.	3.	3.
	87.5	53.	28.	21.	12.	6.	4.	3.	3.	2.	3.	2.
	85.0	92.	41.	29.	14.	7.	4.	3.	3.	2.	2.	2.
	82.5	122.	73.	40.	18.	8.	4.	3.	2.	2.	2.	2.
	80.0	168.	124.	55.	24.	10.	4.	3.	2.	2.	2.	2.
	77.5	240.	181.	70.	31.	12.	5.	3.	2.	2.	1.	1.
	75.0	305.	206.	87.	41.	16.	5.	3.	2.	2.	1.	1.
	72.5	367.	243.	110.	58.	23.	6.	3.	2.	1.	1.	1.
	70.0	430.	329.	134.	81.	34.	10.	3.	2.	1.	1.	1.
	67.5	496.	448.	152.	108.	46.	21.	4.	2.	1.	1.	1.
	65.0	561.	561.	170.	137.	59.	31.	16.	5.	1.	0.	0.
	62.5	645.	651.	199.	163.	77.	40.	27.	20.	12.	9.	7.
	60.0	715.	711.	247.	188.	95.	50.	37.	33.	27.	26.	24.
	57.5	762.	774.	324.	208.	115.	60.	45.	43.	40.	40.	39.
	55.0	809.	860.	406.	224.	141.	73.	55.	51.	52.	51.	49.
	52.5	845.	905.	493.	246.	169.	85.	64.	60.	59.	61.	60.
	50.0	901.	930.	596.	264.	197.	104.	71.	65.	67.	70.	71.
	47.5	946.	942.	709.	286.	220.	135.	82.	70.	68.	70.	71.
	45.0	974.	966.	776.	317.	245.	171.	103.	75.	71.	71.	70.
	42.5	1016.	977.	824.	370.	266.	211.	137.	92.	74.	73.	72.
	40.0	1065.	980.	908.	439.	282.	251.	177.	126.	96.	86.	82.
37.5<<	1110.	1022.	954.	589.	304.	279.	220.	166.	131.	122.	118.	
35.0	1176.	1074.	1064.	671.	332.	296.	266.	218.	180.	160.	152.	
32.5	1217.	1112.	1156.	827.	380.	316.	289.	269.	239.	221.	219.	
30.0	1273.	1144.	1177.	872.	592.	339.	305.	286.	275.	263.	256.	
25.0	1385.	1201.	1182.	1069.	862.	620.	366.	337.	324.	306.	295.	
20.0	1465.	1292.	1118.	1278.	1088.	953.	753.	672.	450.	407.	395.	
15.0	1547.	1424.	1242.	1309.	1362.	1118.	1005.	1024.	955.	903.	883.	
10.0	1605.	1558.	1341.	1178.	1329.	1186.	1266.	1381.	1158.	1121.	1121.	
5.0	1633.	1694.	1459.	1345.	1397.	1545.	1314.	1177.	1085.	1101.	1084.	
0.0	1662.	1662.	1662.	1662.	1662.	1662.	1662.	1662.	1662.	1662.	1662.	

CONE OF MAXIMUM CANDELA

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	37
5- 10	111
10- 15	190
15- 20	255
20- 25	313
25- 30	366
30- 35	432
35- 40	489
40- 45	503
45- 50	508
50- 55	499
55- 60	455
60- 65	403
65- 70	332
70- 75	225
75- 80	148
80- 85	86
85- 90	43
90- 95	25
95-100	19
100-105	18
105-110	15
110-115	14
115-120	14
120-125	13
125-130	13
130-135	11
135-140	9
140-145	7
145-150	5
150-155	3
155-160	2
160-165	1
165-170	1
170-175	0
175-180	0

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	148
0- 20	593
0- 30	1272
0- 40	2193
0- 50	3204
0- 60	4157
0- 70	4892
0- 80	5265
0- 90	5394
0-100	5438
0-110	5471
0-120	5499
0-130	5525
0-140	5546
0-150	5558
0-160	5563
0-170	5565
0-180	5565