

**REPORT NUMBER:** PRORATED FROM RAB04745

**PAGE:** 1 OF 10

**ISSUE DATE:** 01/02/19

**PREPARED FOR:** RAB LIGHTING INC

**CATALOG NUMBER:** W34-150L

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

**LAMPS:** THREE HUNDRED AND FORTY TWO WHITE LIGHT EMITTING DIODES (LEDs)

**ABSOLUTE:** NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.

**WATT:** TOTAL INPUT WATTS = 136.4 W AT 120.0 VAC.

**LED DRIVER:** LED DRIVER: RDD-U130-A2300-DO1

**PROCEDURE:** TEST PROCEDURE: IESNA LM-79-08

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



THIS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL GOVERNMENT.

Checked X.CAO

Approved D.WANG-MUNSON

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### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

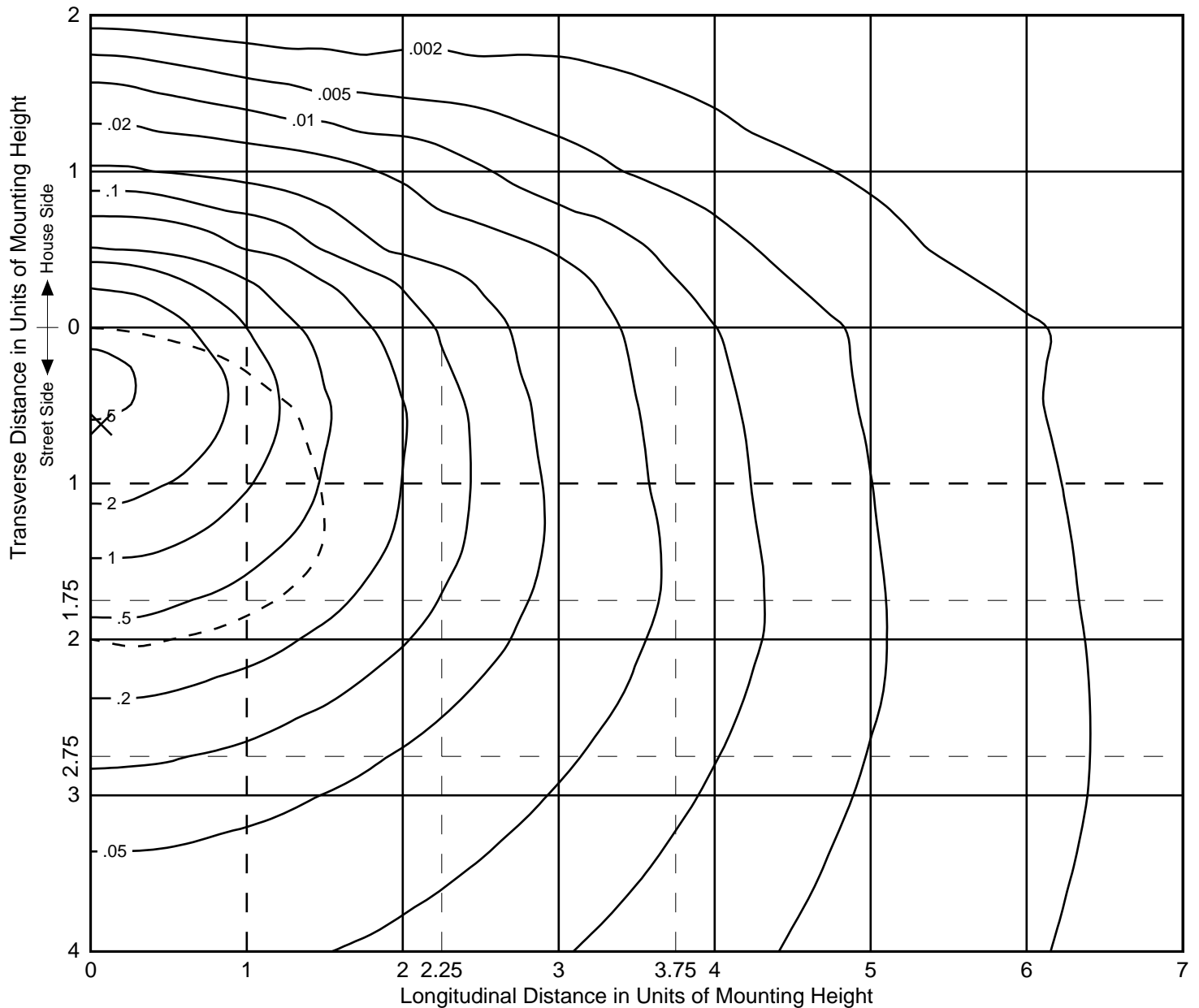
Values based on 32-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — — 1/2 Maximum Candela trace

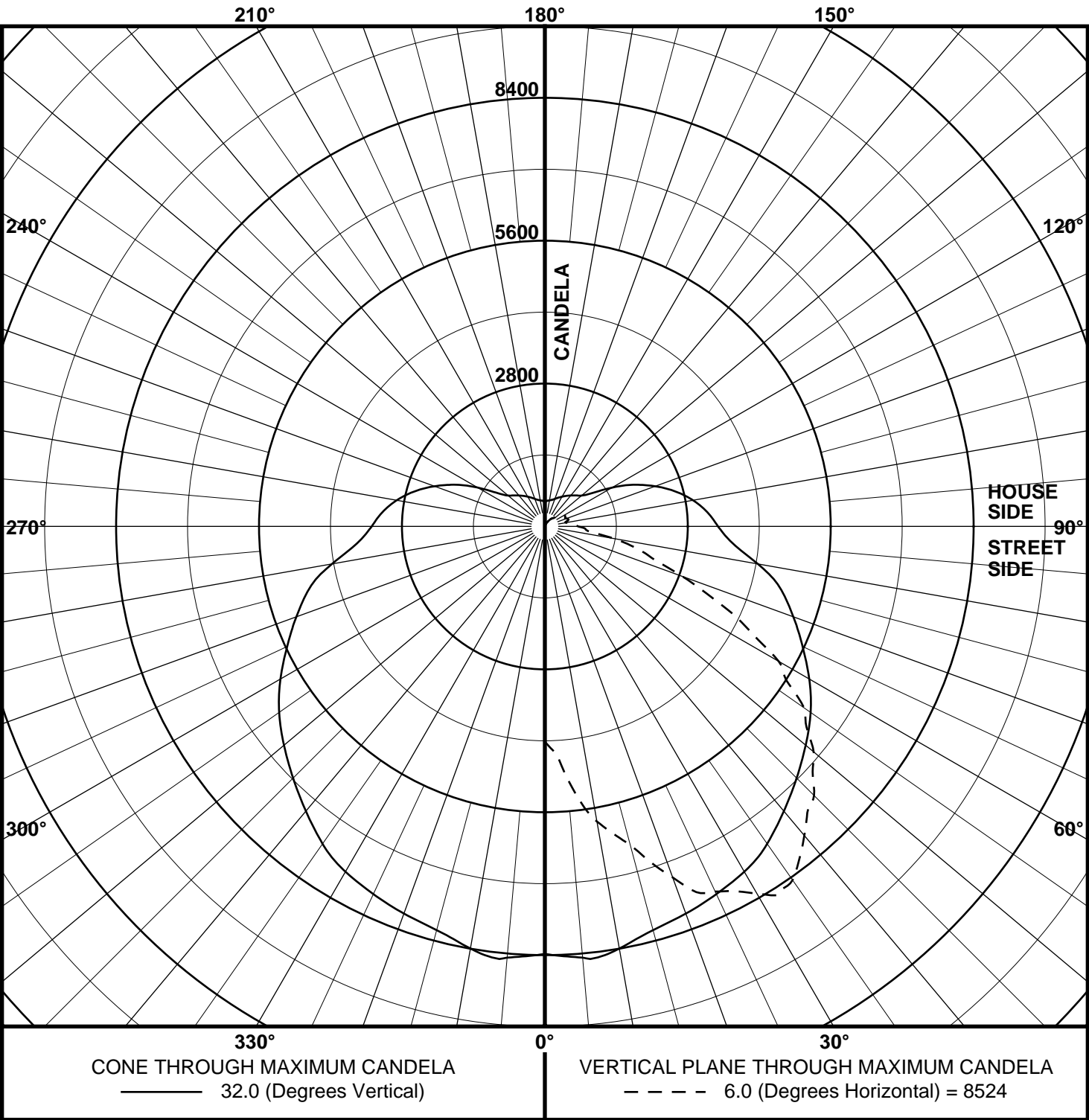
× Maximum Candela point



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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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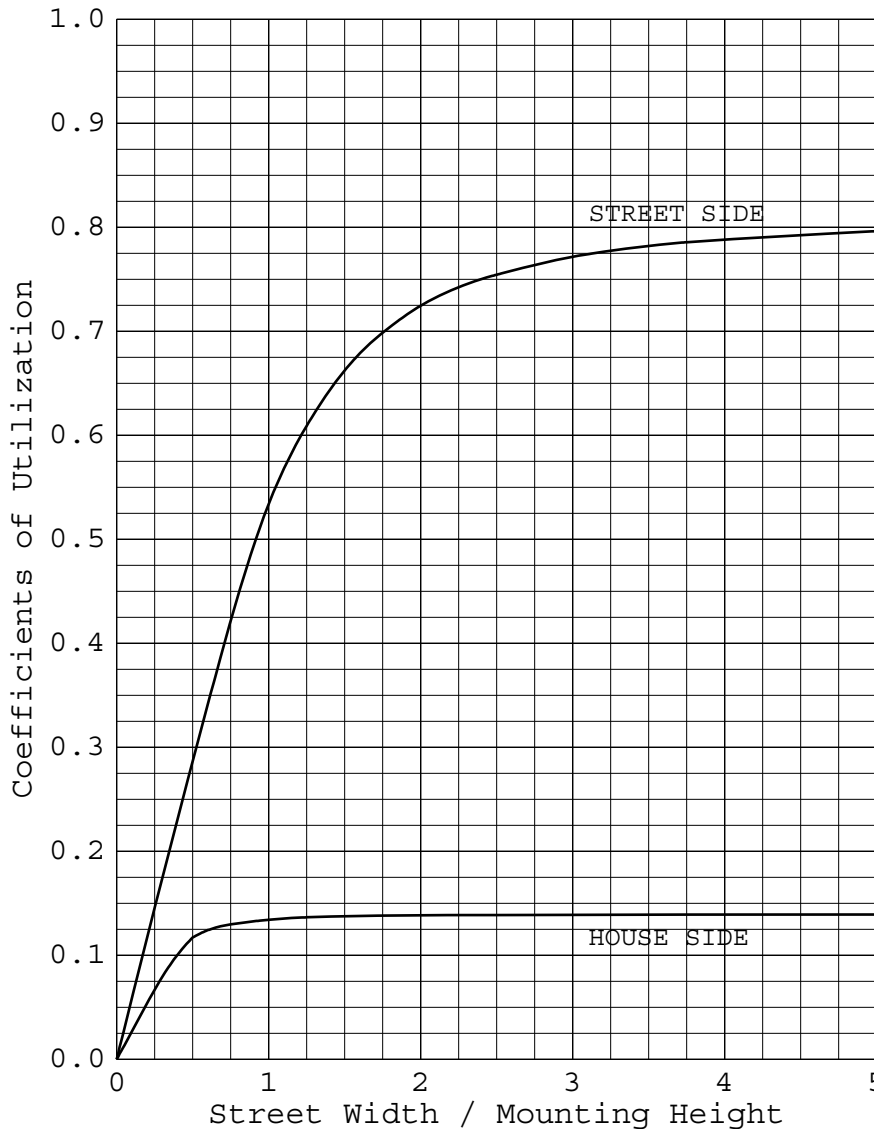
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### COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	12111	81.6
DOWNWARD HOUSE SIDE	2081	14.0
DOWNWARD TOTAL	14192	95.6
UPWARD STREET SIDE	597	4.0
UPWARD HOUSE SIDE	57	0.4
UPWARD TOTAL	654	4.4
TOTAL FLUX	14845	100.0

EFFICACY = 108.8 lm/W

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			<div>B2</div> <div>U3</div> <div>G3</div>		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	12111			
FM	(30° – 60°)	2498.3			
FH	(60° – 80°)	6633.7			
FVH	(80° – 90°)	2620.4			G2
		358.6			G3
Backward					
BL	(0° – 30°)	2081			
BM	(30° – 60°)	971.1	B2		
BH	(60° – 80°)	890.3	B1		
BVH	(80° – 90°)	196.3	B1		G1
		22.9			G1
Upward					
UL	(90° – 100°)	654			
UH	(100° – 180°)	182.2		U3	
		471.4		U3	
Trapped Light					
Total Flux					
		0			
		14845			
		100.0			

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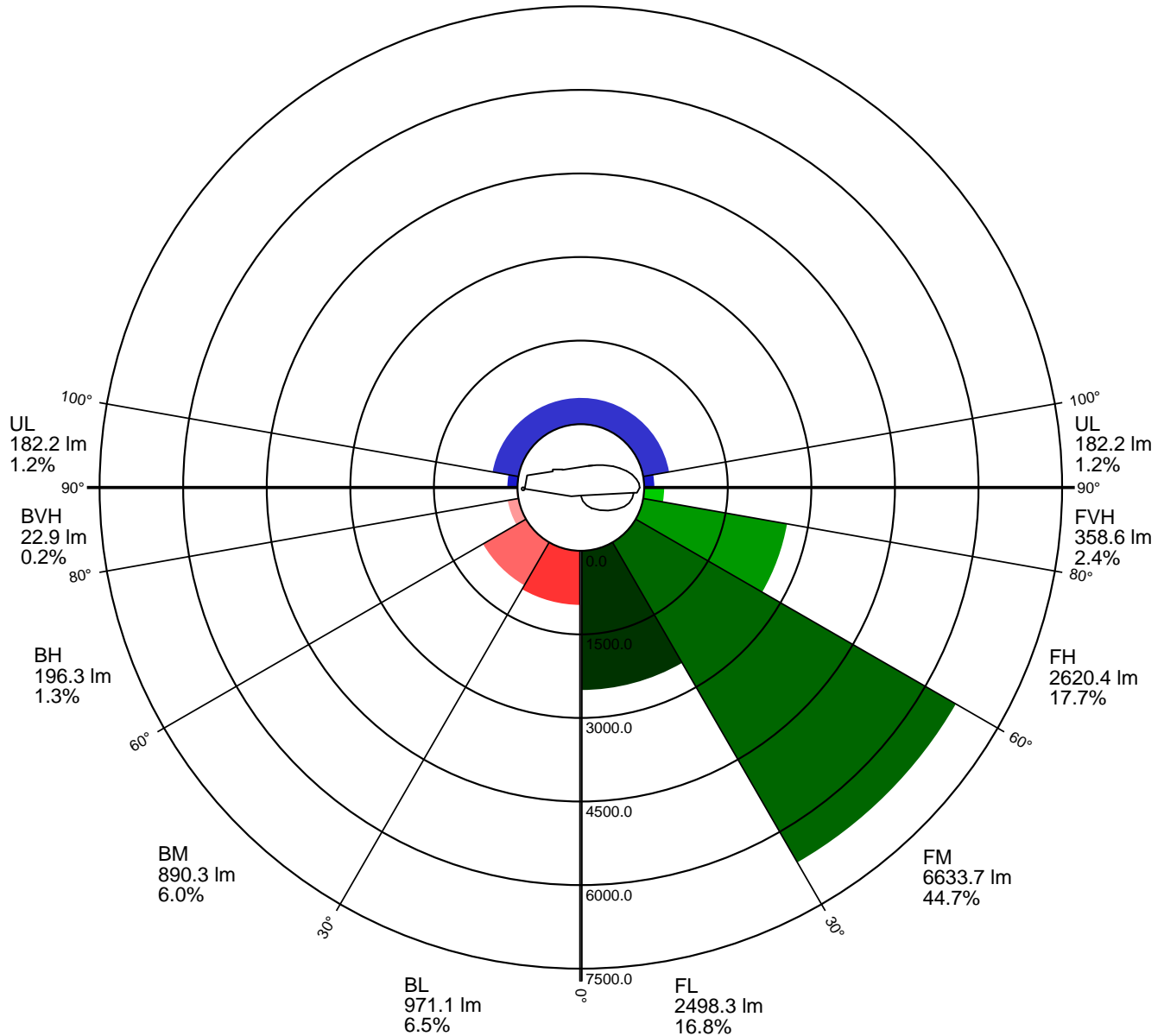
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## Zonal Lumen Summary

(Linear scale)

UH  
471.4 lm  
3.2%



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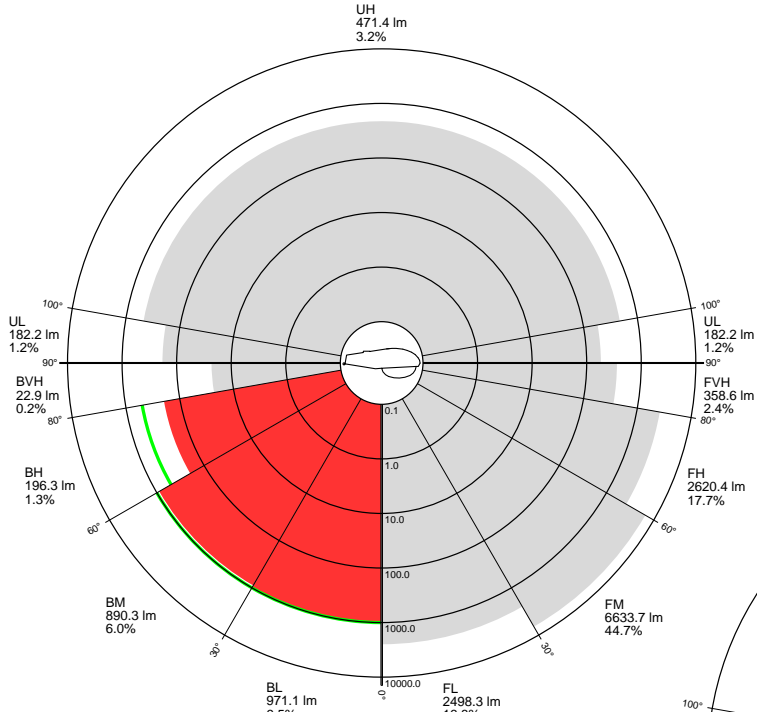
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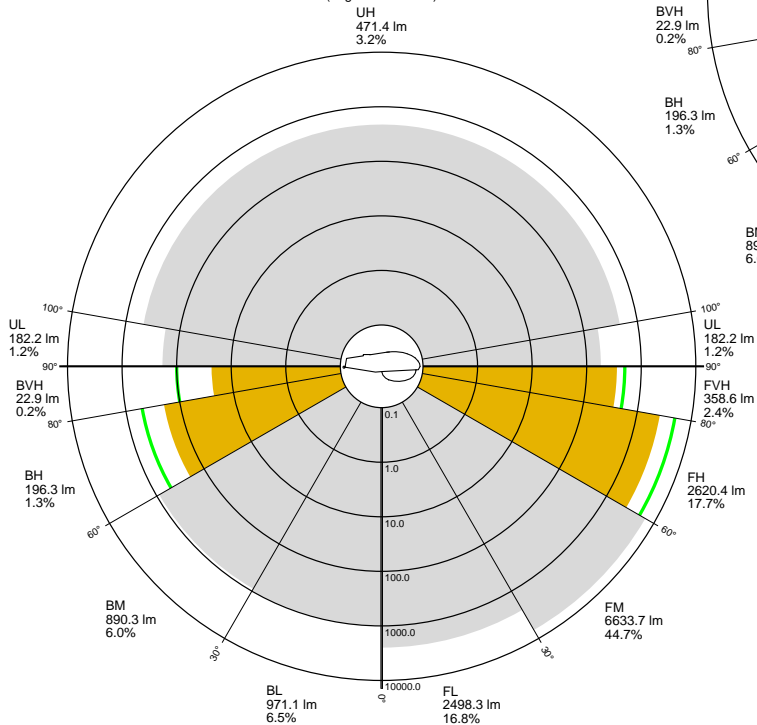
### Backlight Rating Details

(Logarithmic scale)



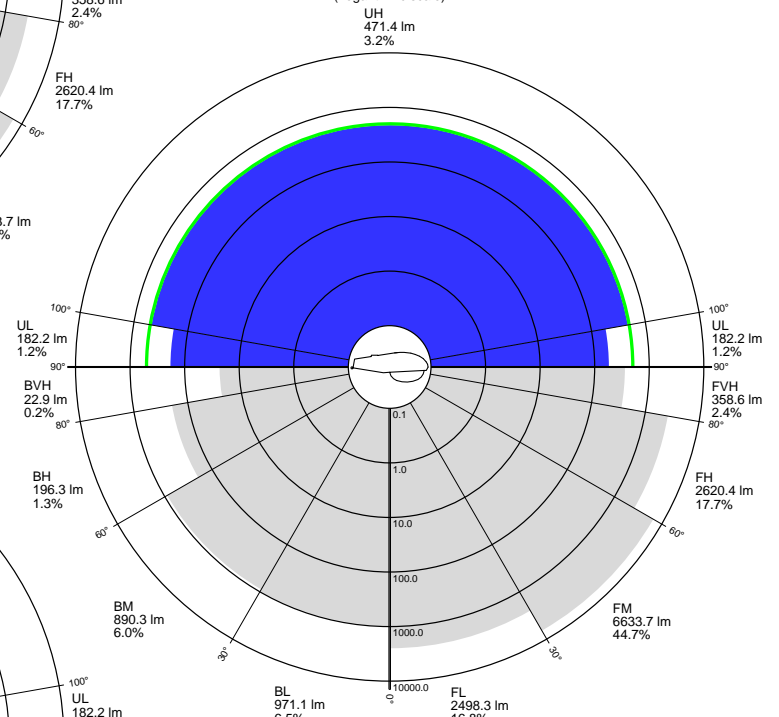
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	STREET SIDE			LATERAL ANGLE							
	0.0	5.0	6.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0
	180.0	9.	9.	9.	9.	9.	9.	9.	9.	9.	9.
	175.0	3.	3.	3.	4.	6.	8.	9.	11.	12.	14.
	165.0	22.	21.	22.	21.	19.	17.	14.	13.	12.	14.
	155.0	59.	59.	60.	57.	50.	45.	37.	27.	18.	15.
	145.0	148.	148.	149.	141.	121.	103.	78.	52.	33.	21.
	135.0	230.	228.	231.	223.	208.	186.	150.	107.	59.	29.
	125.0	350.	359.	366.	374.	303.	269.	202.	147.	97.	44.
	115.0	441.	439.	438.	412.	359.	339.	246.	155.	109.	70.
	105.0	480.	476.	475.	416.	314.	235.	194.	149.	119.	88.
	95.0	554.	560.	561.	521.	459.	377.	304.	233.	179.	118.
	92.5	596.	600.	599.	568.	514.	432.	364.	271.	207.	135.
	90.0	648.	656.	655.	618.	570.	509.	447.	326.	255.	163.
	87.5	775.	771.	773.	747.	701.	630.	488.	435.	354.	239.
	85.0	806.	812.	813.	795.	741.	655.	644.	598.	499.	343.
V	82.5	945.	969.	969.	959.	961.	969.	950.	837.	684.	499.
E	80.0	1346.	1365.	1370.	1346.	1318.	1275.	1215.	1064.	924.	699.
R	77.5	1702.	1715.	1721.	1700.	1665.	1588.	1475.	1391.	1247.	904.
T	75.0	1986.	2017.	2035.	2007.	1940.	1877.	1901.	1851.	1610.	1115.
I	72.5	2294.	2310.	2334.	2290.	2287.	2332.	2445.	2335.	1944.	1375.
C	70.0	2839.	2822.	2872.	2855.	2879.	2998.	3011.	2809.	2293.	1692.
A	67.5	3316.	3378.	3417.	3457.	3497.	3618.	3638.	3268.	2650.	2100.
L	65.0	3976.	4023.	4062.	4055.	4136.	4200.	4109.	3705.	2960.	2485.
	62.5	4432.	4543.	4609.	4682.	4748.	4734.	4578.	4082.	3272.	2823.
A	60.0	5085.	5248.	5290.	5220.	5159.	5167.	5024.	4383.	3656.	3108.
N	57.5	5415.	5552.	5608.	5698.	5663.	5627.	5347.	4654.	4113.	3316.
G	55.0	6044.	6159.	6193.	6095.	6032.	5967.	5572.	4963.	4498.	3502.
L	52.5	6220.	6407.	6459.	6467.	6353.	6211.	5841.	5355.	4823.	3655.
E	50.0	6694.	6846.	6874.	6750.	6643.	6533.	6122.	5736.	5018.	3870.
	47.5	6925.	7076.	7115.	7031.	7008.	6779.	6444.	5981.	5218.	4036.
	45.0	7231.	7426.	7458.	7354.	7234.	7024.	6754.	6173.	5299.	4274.
	42.5	7445.	7588.	7612.	7529.	7495.	7329.	6963.	6300.	5351.	4385.
	40.0	7760.	7902.	7910.	7858.	7795.	7531.	7048.	6359.	5446.	4539.
	37.5	8066.	8207.	8198.	8061.	8015.	7612.	7102.	6366.	5580.	4597.
	35.0	8357.	8458.	8459.	8285.	8050.	7616.	7137.	6382.	5558.	4681.
	32.0<<	8379.	8481.	8524.	8190.	7951.	7594.	6975.	6358.	5570.	4794.
	30.0	8192.	8272.	8309.	8101.	7853.	7458.	6941.	6368.	5488.	4681.
	25.0	7831.	7871.	7896.	7679.	7591.	7197.	6726.	6117.	5432.	4779.
	20.0	7288.	7306.	7323.	7335.	6965.	6656.	6142.	5712.	5210.	4701.
	15.0	6519.	6450.	6465.	6329.	6245.	6075.	5859.	5374.	5057.	4568.
	10.0	5910.	5881.	5870.	5804.	5560.	5500.	5376.	5050.	4794.	4443.
	5.0	4948.	4912.	4936.	4894.	4832.	4829.	4710.	4577.	4374.	4286.
	0.0	4219.	4219.	4219.	4219.	4219.	4219.	4219.	4219.	4219.	4219.

||  
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



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### 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	9.	9.	9.	9.	9.	9.	9.	9.	9.	9.
	175.0	14.	14.	14.	13.	12.	11.	10.	9.	9.	9.
	165.0	14.	15.	15.	15.	14.	13.	13.	13.	13.	14.
	155.0	15.	16.	16.	16.	15.	15.	16.	16.	17.	17.
	145.0	18.	17.	17.	16.	16.	16.	17.	17.	18.	18.
	135.0	23.	19.	18.	16.	15.	15.	16.	16.	16.	16.
	125.0	38.	28.	20.	16.	15.	13.	13.	13.	13.	13.
	115.0	56.	42.	24.	17.	14.	13.	11.	11.	11.	12.
	105.0	71.	58.	31.	20.	15.	13.	12.	12.	11.	13.
	95.0	44.	42.	37.	26.	16.	13.	11.	10.	10.	12.
	92.5	44.	39.	38.	27.	16.	13.	10.	9.	9.	11.
	90.0	69.	44.	45.	30.	17.	13.	10.	9.	9.	11.
	87.5	145.	64.	59.	36.	19.	13.	10.	9.	9.	10.
	85.0	255.	102.	84.	46.	22.	13.	10.	9.	9.	10.
V	82.5	407.	182.	117.	58.	26.	13.	10.	8.	8.	9.
E	80.0	523.	315.	154.	72.	30.	13.	9.	7.	7.	8.
R	77.5	655.	450.	199.	95.	36.	14.	9.	7.	6.	7.
T	75.0	770.	605.	261.	128.	44.	14.	9.	6.	5.	6.
I	72.5	989.	830.	313.	163.	58.	16.	8.	6.	5.	5.
C	70.0	1154.	949.	353.	204.	84.	21.	8.	6.	4.	4.
A	67.5	1314.	1080.	385.	251.	110.	43.	9.	5.	4.	3.
L	65.0	1470.	1245.	425.	301.	141.	64.	30.	6.	3.	2.
	62.5	1644.	1411.	493.	361.	176.	86.	50.	33.	15.	7.
A	60.0	1836.	1601.	604.	421.	222.	111.	68.	52.	49.	46.
N	57.5	2036.	1776.	744.	474.	268.	141.	88.	67.	65.	64.
G	55.0	2208.	1913.	898.	529.	321.	175.	114.	84.	79.	81.
L	52.5	2383.	2099.	1107.	594.	386.	214.	141.	107.	93.	87.
E	50.0	2569.	2260.	1304.	665.	448.	260.	174.	138.	120.	104.
	47.5	2701.	2383.	1540.	748.	507.	317.	207.	166.	148.	138.
	45.0	2882.	2566.	1788.	855.	579.	390.	253.	194.	174.	163.
	42.5	3005.	2726.	1955.	965.	650.	464.	319.	230.	198.	188.
	40.0	3110.	2874.	2157.	1136.	728.	551.	400.	295.	236.	218.
	37.5	3197.	2995.	2306.	1368.	826.	650.	492.	375.	309.	278.
	35.0	3261.	3051.	2504.	1634.	939.	743.	597.	483.	401.	366.
	32.0<<	3392.	3197.	2648.	1932.	1139.	859.	729.	620.	539.	503.
	30.0	3462.	3270.	2726.	2103.	1350.	924.	807.	708.	634.	595.
	25.0	3650.	3451.	2879.	2562.	1962.	1380.	1025.	908.	851.	814.
	20.0	3846.	3597.	3211.	2858.	2532.	2105.	1836.	1409.	1228.	1136.
	15.0	4006.	3789.	3425.	3094.	2924.	2785.	2542.	2329.	2211.	2055.
	10.0	4133.	3973.	3833.	3489.	3309.	3083.	3026.	2997.	3006.	2917.
	5.0	4197.	4104.	3962.	3928.	3858.	3745.	3651.	3528.	3497.	3468.
	0.0	4219.	4219.	4219.	4219.	4219.	4219.	4219.	4219.	4219.	4219.

CONE OF MAXIMUM CANDELA

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5-DEGREE  
ZONAL LUMEN SUMMARY

0- 5	100
5- 10	301
10- 15	501
15- 20	687
20- 25	859
25- 30	1021
30- 35	1169
35- 40	1270
40- 45	1316
45- 50	1318
50- 55	1271
55- 60	1179
60- 65	1024
65- 70	814
70- 75	583
75- 80	395
80- 85	237
85- 90	144
90- 95	102
95-100	80
100-105	66
105-110	67
110-115	66
115-120	64
120-125	56
125-130	44
130-135	34
135-140	26
140-145	18
145-150	12
150-155	8
155-160	5
160-165	3
165-170	2
170-175	1
175-180	0

10-DEGREE  
ZONAL LUMEN SUMMARY

0- 10	401
0- 20	1589
0- 30	3469
0- 40	5908
0- 50	8543
0- 60	10993
0- 70	12832
0- 80	13810
0- 90	14192
0-100	14374
0-110	14507
0-120	14636
0-130	14736
0-140	14796
0-150	14827
0-160	14840
0-170	14844
0-180	14845