

REPORT NUMBER: PRORATED FROM RAB04339

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ISSUE DATE: 05/02/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED3T50N/480 - RWLED3T50N/480 - RWLED3T50SFN/480 -
WPLED3T50N/480 (TYPE III)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED,
MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED,
CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL LENS FRAME.

LAMPS: SIX WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), 2 LEDs TILTED
63-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 75-DEGREES FROM
STRAIGHT AHEAD, 2 LEDs TILTED 67-DEGREES FROM VERTICAL BASE-UP POSITION
AND CANTED 68-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 58-DEGREES FROM
VERTICAL BASE-UP POSITION AND CANTED 40-DEGREES FROM STRAIGHT AHEAD.

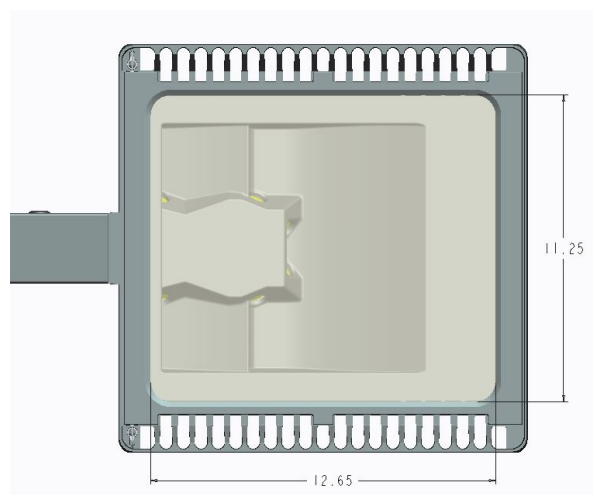
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04339 WHICH WAS
ALED3T50Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 54 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: RDD-H65-36A-A1400-480

PROCEDURE: TEST PROCEDURE: IESNA LM-79-08

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



Checked X.CAO

Approved D.WANG-MUNSON

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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

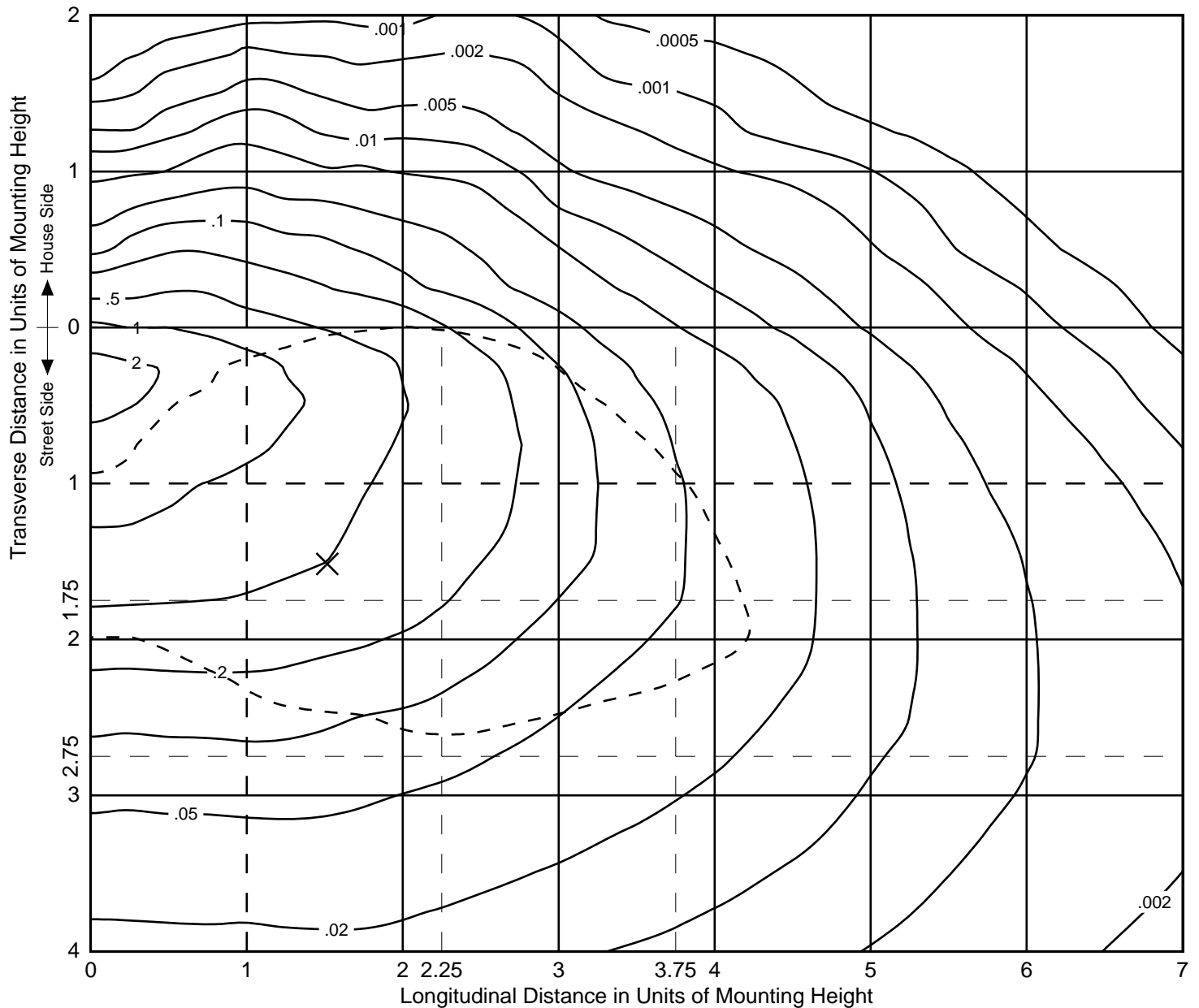
Values based on 25-foot mounting height

IES Classification: Short, Type III

Cutoff Classification (deprecated): Noncutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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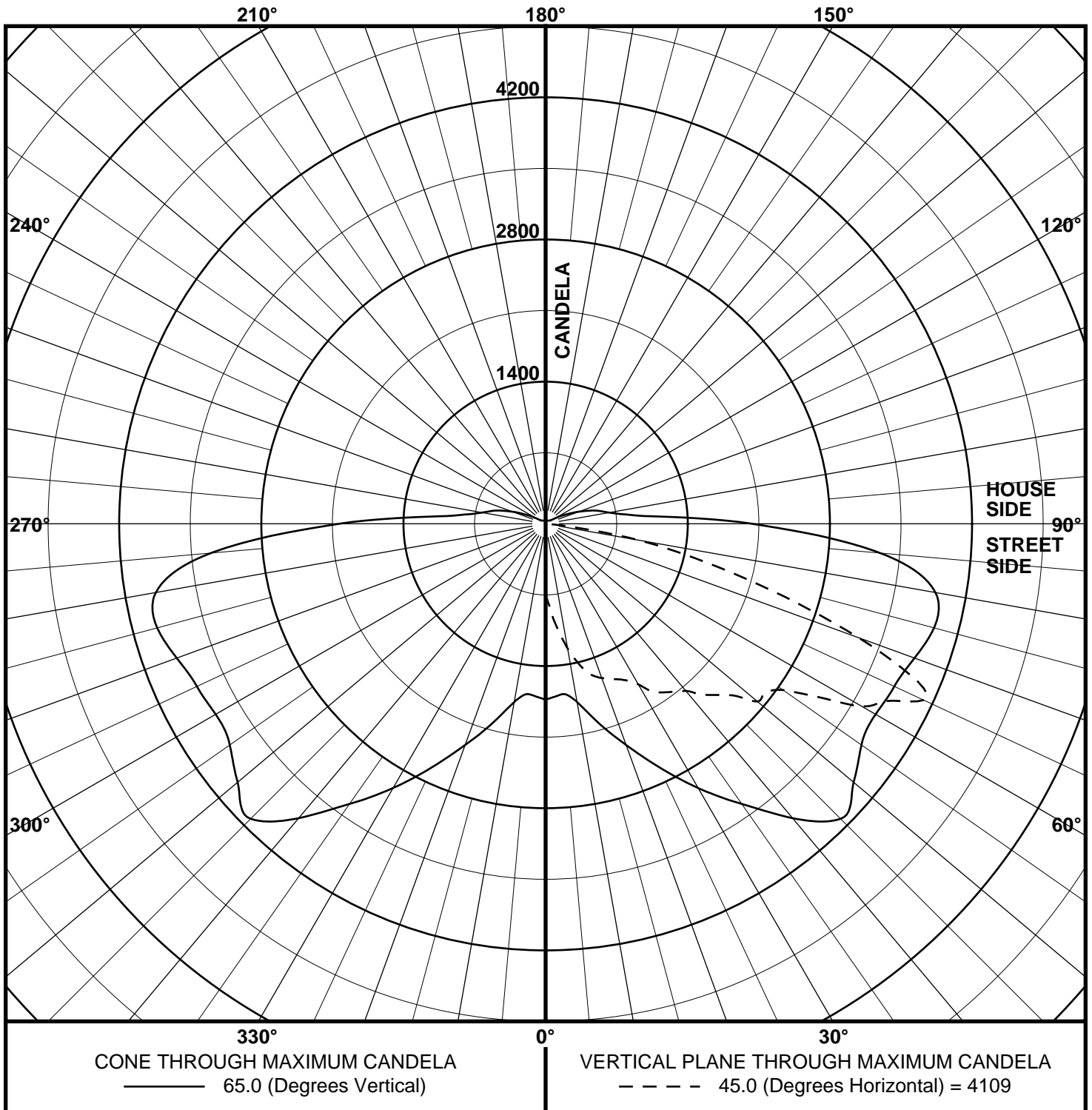
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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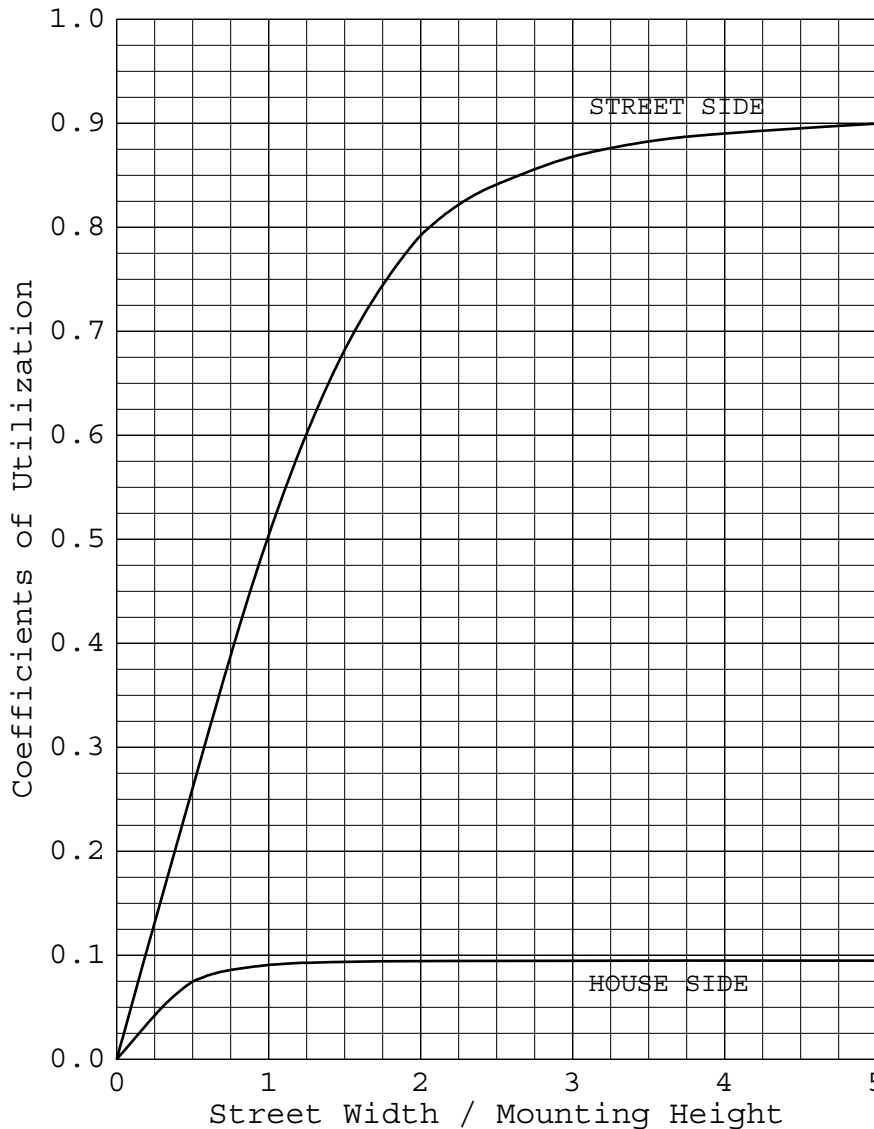
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	5967	90.5
DOWNWARD HOUSE SIDE	630	9.5
DOWNWARD TOTAL	6597	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	6597	100.0

EFFICACY = 122.2 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				B1	U0	G2
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		5967	90.5			
FL	(0° – 30°)	629.1	9.5			
FM	(30° – 60°)	2795.8	42.4			
FH	(60° – 80°)	2444.3	37.1			G2
FVH	(80° – 90°)	98.0	1.5			G1
Backward		630	9.5			
BL	(0° – 30°)	147.7	2.2	B1		
BM	(30° – 60°)	325.4	4.9	B1		
BH	(60° – 80°)	153.4	2.3	B1		G1
BVH	(80° – 90°)	3.3	0.1			G0
Upward		0	0.0			
UL	(90° – 100°)	0.0	0.0		U0	
UH	(100° – 180°)	0.0	0.0		U0	
Trapped Light		0	0.0			
Total Flux		6597	100.0			

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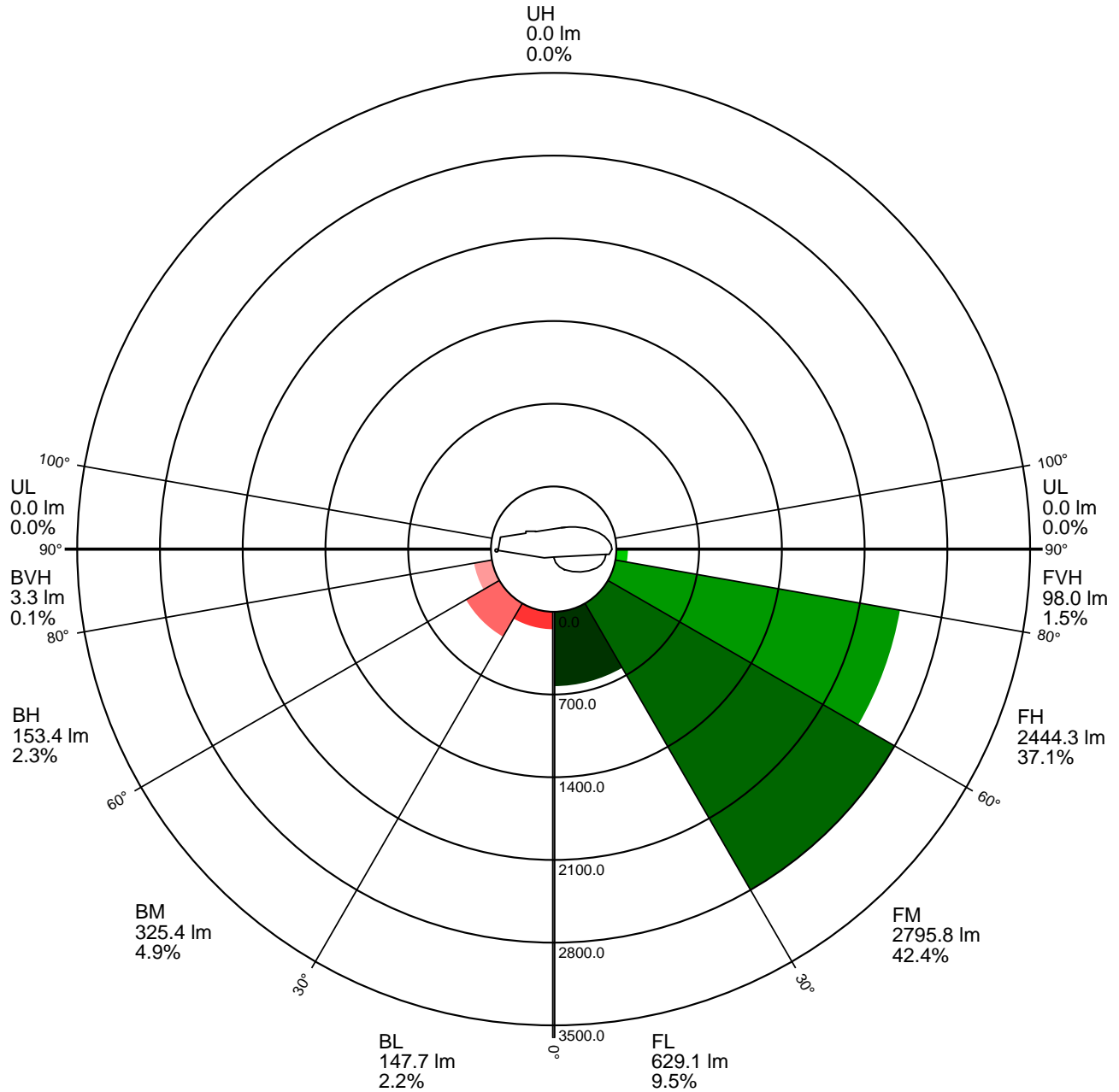
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Zonal Lumen Summary

(Linear scale)



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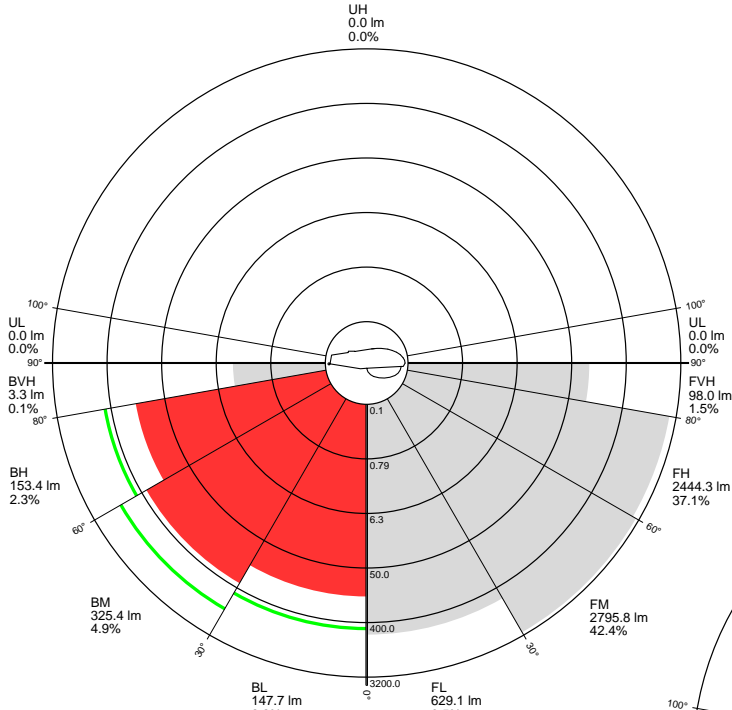
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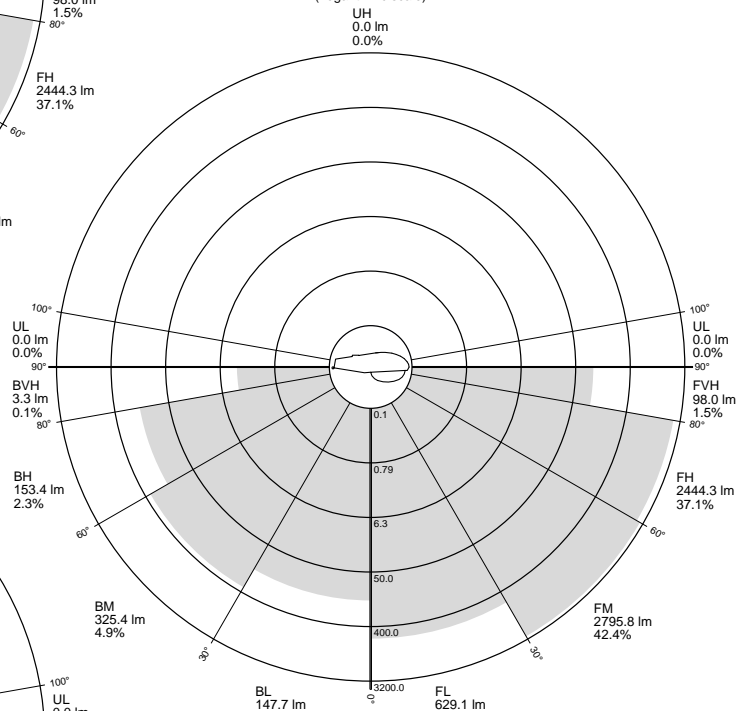
Backlight Rating Details

(Logarithmic scale)



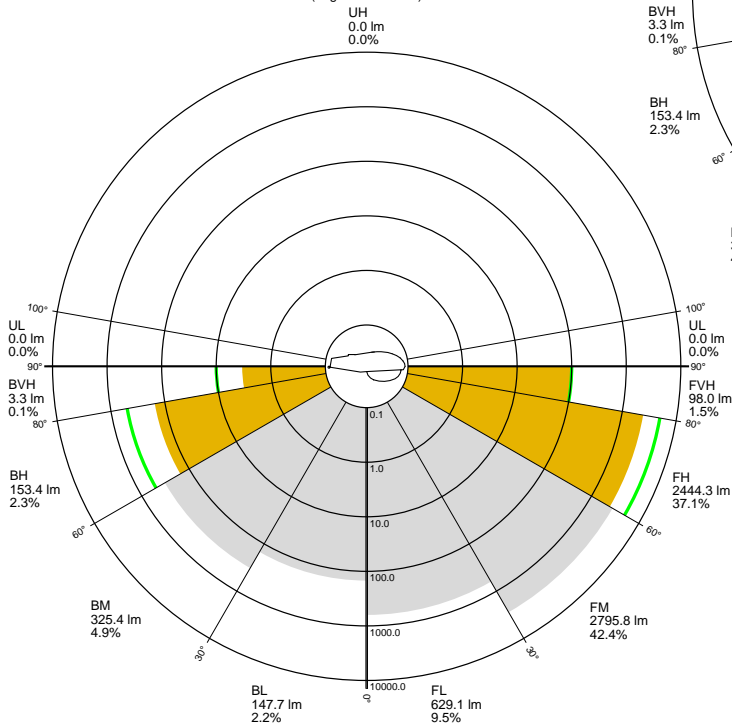
Uplight Rating Details

(Logarithmic scale)



Glare Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE										
	0.0	5.0	15.0	25.0	35.0	45.0	50.0	55.0	65.0	75.0	85.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	2.	2.	3.	4.	6.	8.	6.	8.	10.	8.
	85.0	11.	11.	28.	49.	57.	89.	92.	88.	121.	80.
V	82.5	36.	62.	142.	185.	254.	359.	436.	515.	685.	467.
E	80.0	115.	168.	278.	464.	584.	937.	1078.	1242.	1350.	947.
R	77.5	404.	457.	584.	911.	1094.	1411.	1623.	1836.	2200.	1675.
T	75.0	785.	803.	955.	1308.	1579.	1960.	2166.	2328.	2862.	2264.
I	72.5	1057.	1044.	1222.	1625.	1938.	2595.	2876.	3115.	3611.	2991.
C	70.0	1265.	1243.	1457.	1943.	2303.	3284.	3711.	3994.	3927.	3673.
A	67.5	1523.	1479.	1726.	2255.	2835.	3886.	4094.	4067.	3908.	3879.
L	65.0<<	1731.	1688.	2037.	2644.	3368.	4109.	3960.	3797.	3789.	3959.
	62.5	2182.	2137.	2525.	3176.	3791.	3781.	3806.	3720.	3547.	4023.
A	60.0	2830.	2792.	3118.	3641.	3782.	3598.	3523.	3392.	3607.	3898.
N	57.5	3263.	3276.	3422.	3520.	3355.	3171.	3124.	3201.	3838.	3616.
G	55.0	3221.	3219.	3107.	3034.	2987.	2856.	2922.	2968.	3556.	3234.
L	52.5	2745.	2741.	2752.	2676.	2620.	2727.	2786.	2985.	3101.	2909.
E	50.0	2440.	2437.	2482.	2367.	2344.	2723.	2704.	2882.	2873.	2635.
	47.5	2265.	2253.	2231.	2178.	2306.	2500.	2570.	2626.	2566.	2427.
	45.0	2114.	2112.	2060.	2113.	2313.	2383.	2440.	2362.	2331.	2275.
	42.5	1977.	1988.	2005.	2195.	2214.	2282.	2273.	2226.	2176.	2102.
	40.0	1989.	1994.	2027.	2127.	2161.	2148.	2161.	2093.	2035.	1999.
	37.5	1870.	1856.	1926.	2137.	2043.	2085.	2037.	1948.	1903.	1824.
	35.0	1929.	1922.	2009.	2046.	2047.	2026.	1976.	1908.	1884.	1701.
	32.5	2026.	1999.	1933.	1951.	2034.	1960.	1901.	1854.	1877.	1707.
	30.0	1992.	1971.	1923.	1927.	1923.	1826.	1805.	1794.	1828.	1672.
	25.0	2056.	2039.	1873.	1804.	1733.	1690.	1682.	1684.	1642.	1385.
	20.0	1904.	1905.	1801.	1682.	1634.	1616.	1601.	1566.	1421.	1182.
	15.0	1708.	1711.	1679.	1610.	1546.	1494.	1448.	1401.	1226.	999.
	10.0	1535.	1530.	1525.	1441.	1369.	1245.	1184.	1126.	987.	840.
	5.0	1118.	1101.	1101.	1062.	1028.	959.	933.	896.	820.	756.
	0.0	696.	696.	696.	696.	696.	696.	696.	696.	696.	696.

||
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	180.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	5.	5.	5.	5.	5.	4.	3.	2.	2.	2.	2.
	85.0	7.	6.	5.	5.	4.	4.	3.	2.	2.	2.	2.
V	82.5	39.	20.	10.	6.	5.	3.	3.	2.	2.	2.	2.
E	80.0	220.	101.	25.	15.	5.	3.	3.	2.	3.	3.	3.
R	77.5	523.	275.	56.	25.	7.	3.	3.	2.	3.	3.	3.
T	75.0	759.	376.	111.	29.	15.	6.	3.	2.	3.	3.	3.
I	72.5	1069.	536.	149.	72.	41.	10.	6.	3.	4.	4.	4.
C	70.0	1539.	747.	364.	124.	46.	11.	11.	3.	4.	5.	5.
A	67.5	1877.	881.	499.	169.	49.	18.	8.	4.	4.	5.	4.
L	65.0<<	2034.	920.	503.	212.	59.	35.	16.	5.	5.	5.	5.
	62.5	2132.	970.	525.	262.	76.	51.	34.	10.	5.	4.	4.
A	60.0	1906.	968.	583.	310.	100.	71.	42.	15.	7.	4.	4.
N	57.5	1827.	949.	574.	302.	122.	95.	49.	20.	9.	4.	4.
G	55.0	1697.	978.	536.	312.	146.	103.	53.	25.	11.	5.	4.
L	52.5	1548.	984.	481.	325.	188.	102.	60.	31.	15.	6.	5.
E	50.0	1403.	992.	465.	372.	244.	124.	65.	35.	18.	22.	23.
	47.5	1316.	925.	496.	339.	252.	139.	78.	39.	23.	30.	49.
	45.0	1250.	877.	497.	342.	241.	147.	93.	48.	34.	30.	26.
	42.5	1201.	900.	505.	339.	254.	158.	97.	82.	43.	26.	24.
	40.0	1124.	959.	569.	345.	273.	167.	104.	71.	61.	39.	32.
	37.5	1066.	942.	749.	387.	272.	176.	116.	74.	64.	48.	41.
	35.0	1028.	907.	771.	499.	309.	205.	130.	87.	66.	52.	44.
	32.5	1003.	881.	682.	498.	375.	260.	144.	93.	68.	55.	47.
	30.0	947.	835.	630.	446.	318.	245.	199.	98.	70.	57.	51.
	25.0	842.	747.	565.	445.	296.	216.	160.	121.	88.	74.	74.
	20.0	762.	684.	545.	473.	345.	237.	172.	134.	125.	115.	117.
	15.0	693.	635.	550.	469.	416.	354.	288.	227.	205.	174.	169.
	10.0	649.	606.	536.	494.	447.	416.	388.	360.	334.	308.	310.
	5.0	672.	650.	603.	562.	532.	508.	497.	478.	467.	455.	462.
	0.0	696.	696.	696.	696.	696.	696.	696.	696.	696.	696.	696.

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	17
5- 10	55
10- 15	101
15- 20	148
20- 25	199
25- 30	257
30- 35	318
35- 40	371
40- 45	435
45- 50	524
50- 55	656
55- 60	818
60- 65	860
65- 70	798
70- 75	602
75- 80	338
80- 85	96
85- 90	6
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	73
0- 20	321
0- 30	777
0- 40	1466
0- 50	2424
0- 60	3898
0- 70	5556
0- 80	6496
0- 90	6597
0-100	6597
0-110	6597
0-120	6597
0-130	6597
0-140	6597
0-150	6597
0-160	6597
0-170	6597
0-180	6597