

REPORT NUMBER: PRORATED FROM RAB04363

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ISSUE DATE: 05/09/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T66N/480 - RWLED2T66N/480 - RWLED2T66SFN/480 -
WPLED2T66N/480 (TYPE II)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CHIP ON BOARD LIGHT EMITTING DIODES,
MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, CLEAR GLASS LENS IN CAST
BRONZE PAINTED METAL 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.

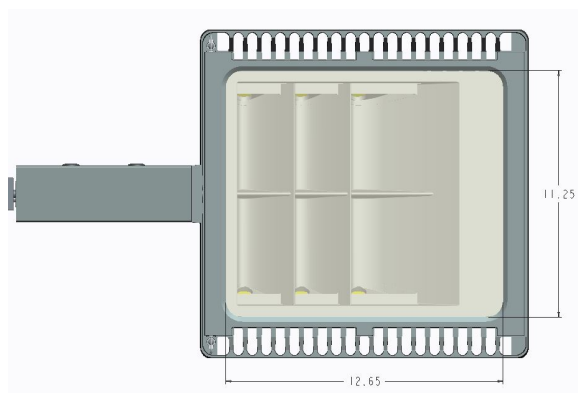
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04363 WHICH WAS
ALED2T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 66.8 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: RD-H065-A1810-480

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

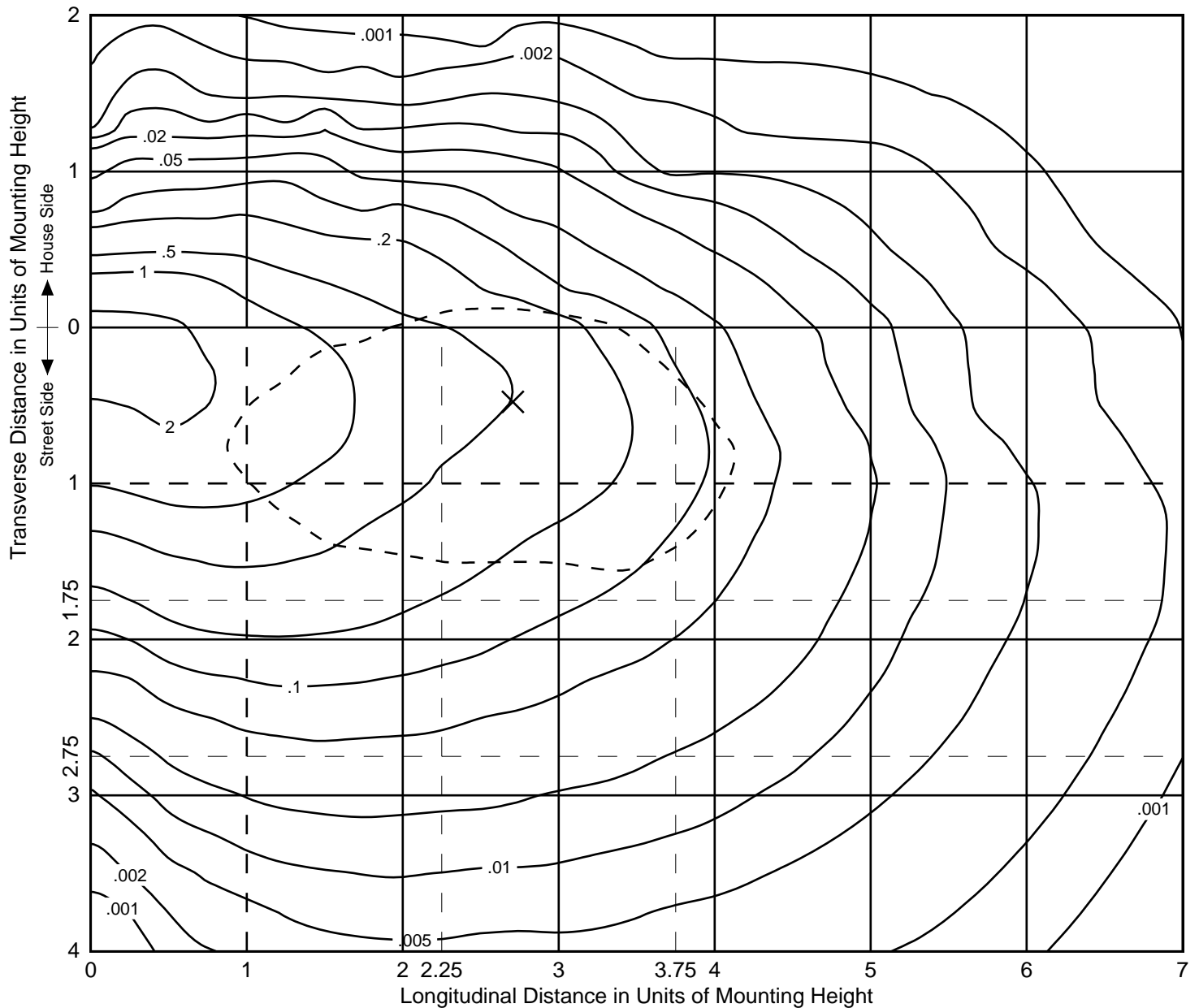
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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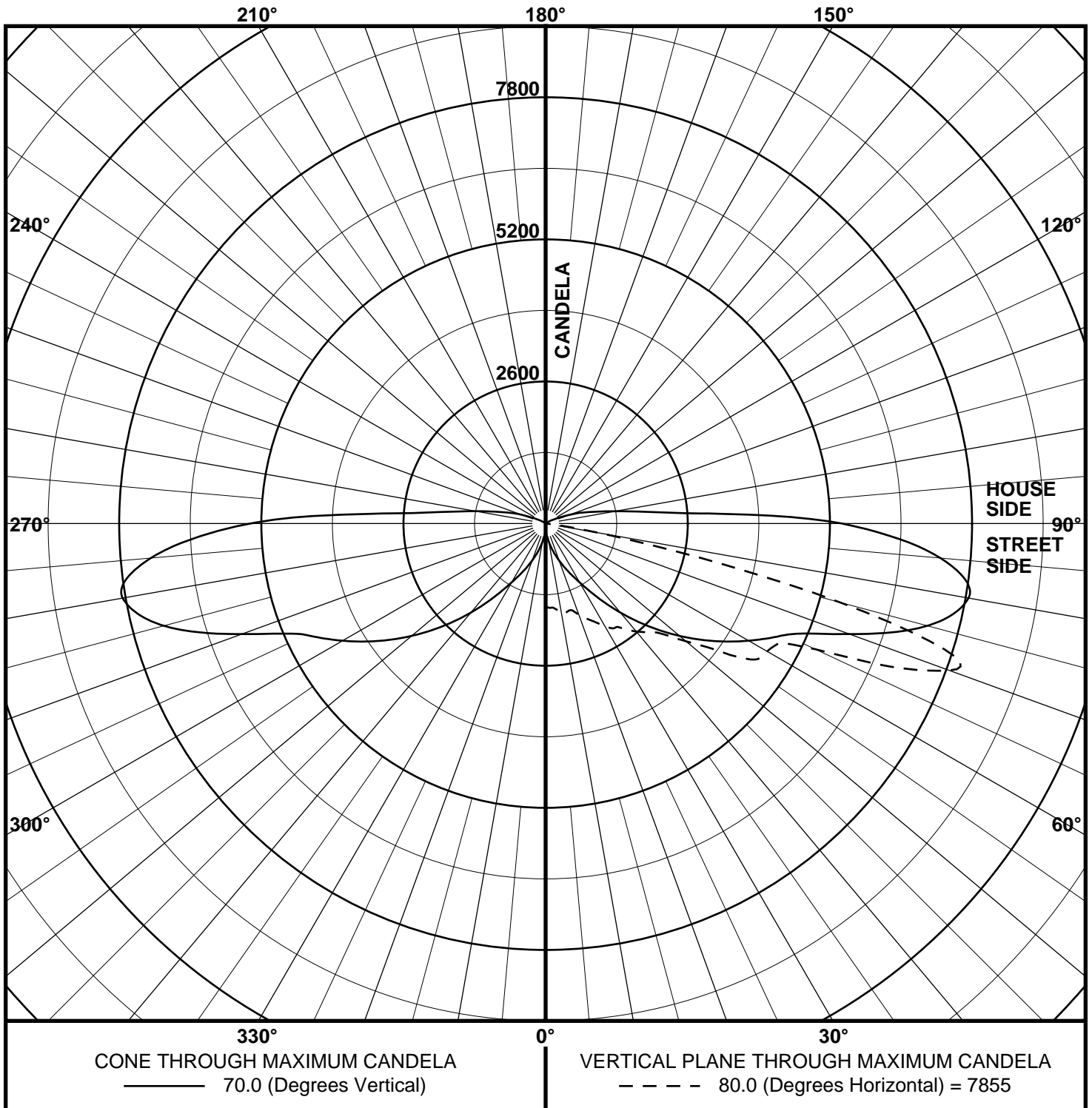
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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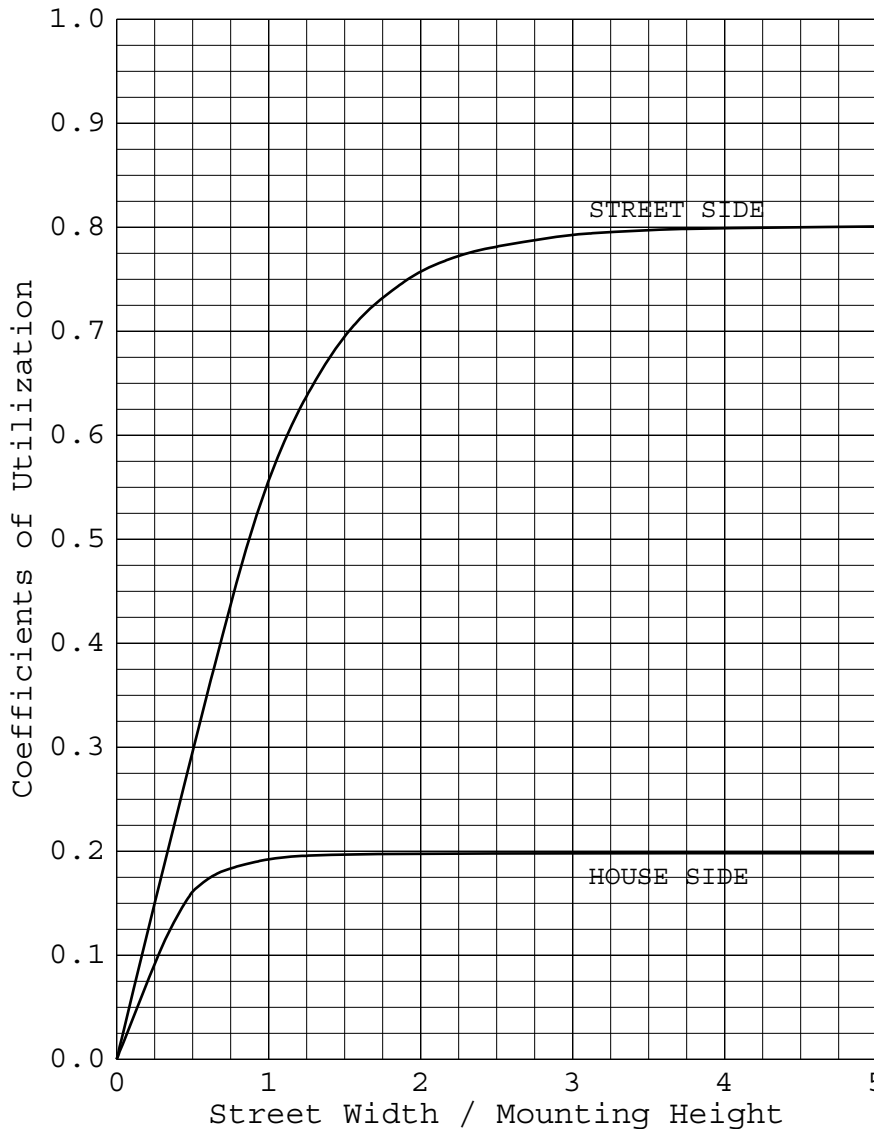
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6793	80.1
DOWNWARD HOUSE SIDE	1684	19.9
DOWNWARD TOTAL	8478	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	8478	100.0

EFFICACY = 126.9 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		6793	80.1			
FL	(0° – 30°)	753.3	8.9			
FM	(30° – 60°)	3304.7	39.0			
FH	(60° – 80°)	2687.3	31.7			G2
FVH	(80° – 90°)	48.2	0.6			G1
Backward		1684	19.9			
BL	(0° – 30°)	470.1	5.5	B1		
BM	(30° – 60°)	801.2	9.5	B1		
BH	(60° – 80°)	405.7	4.8	B1		G1
BVH	(80° – 90°)	7.4	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		8478	100.0			

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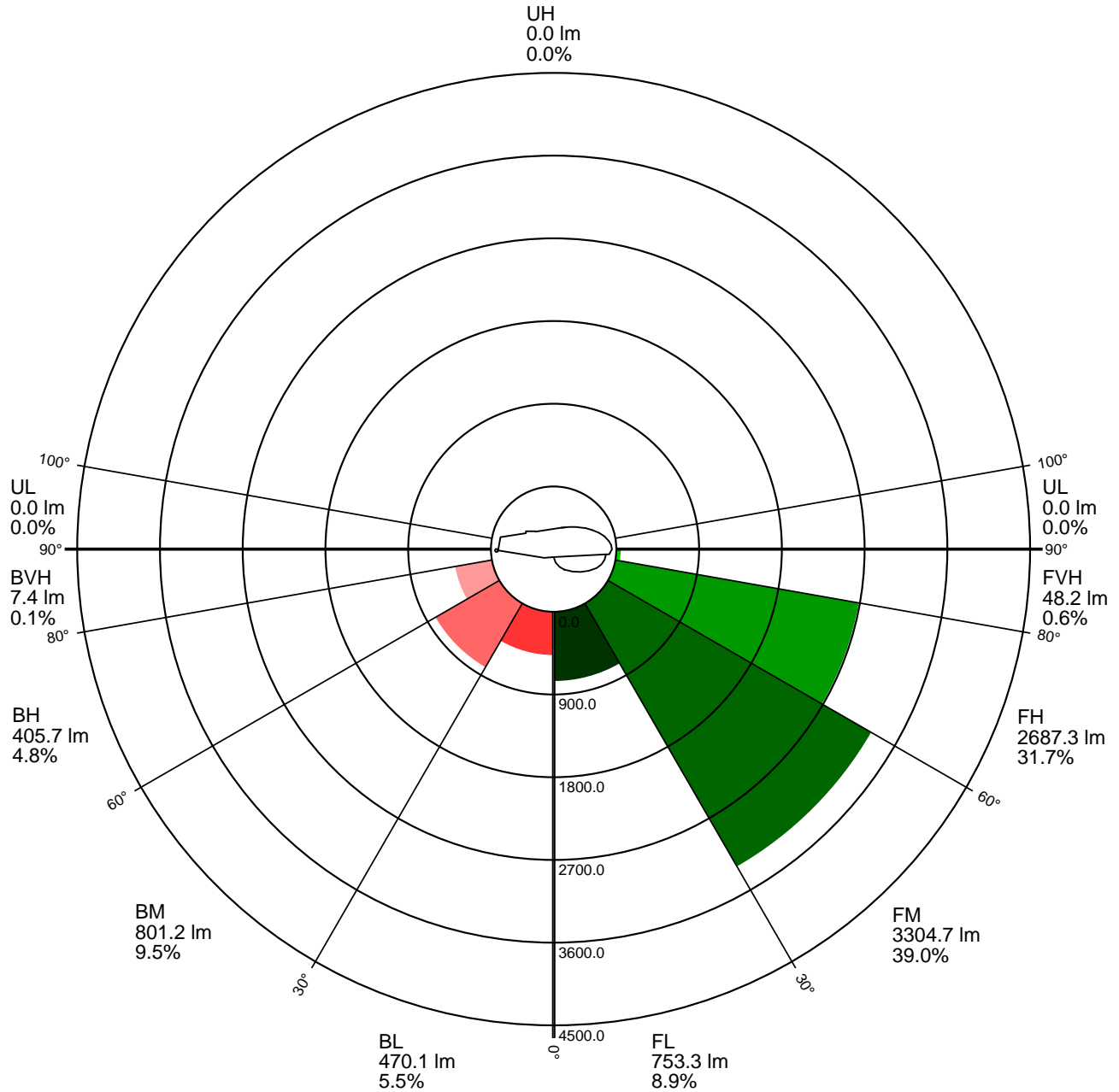
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Zonal Lumen Summary

(Linear scale)



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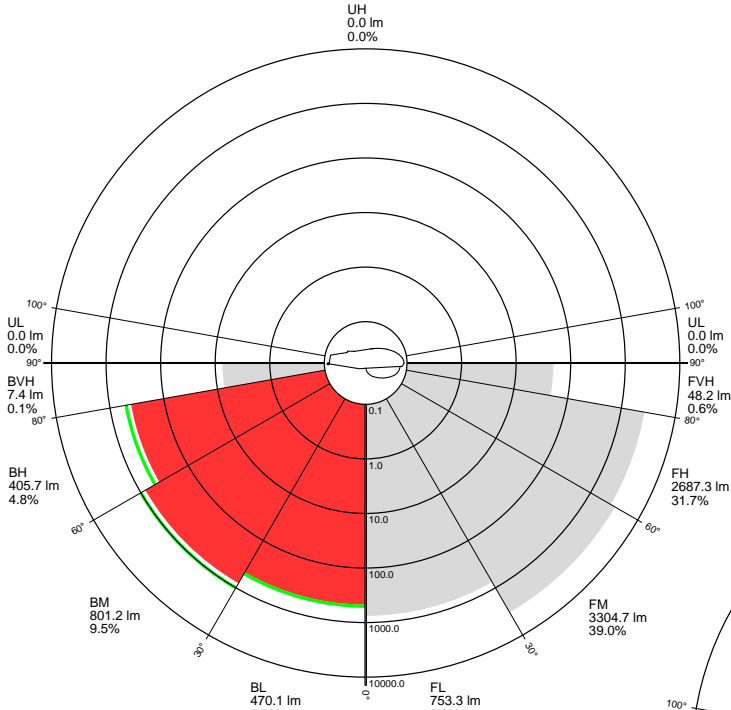
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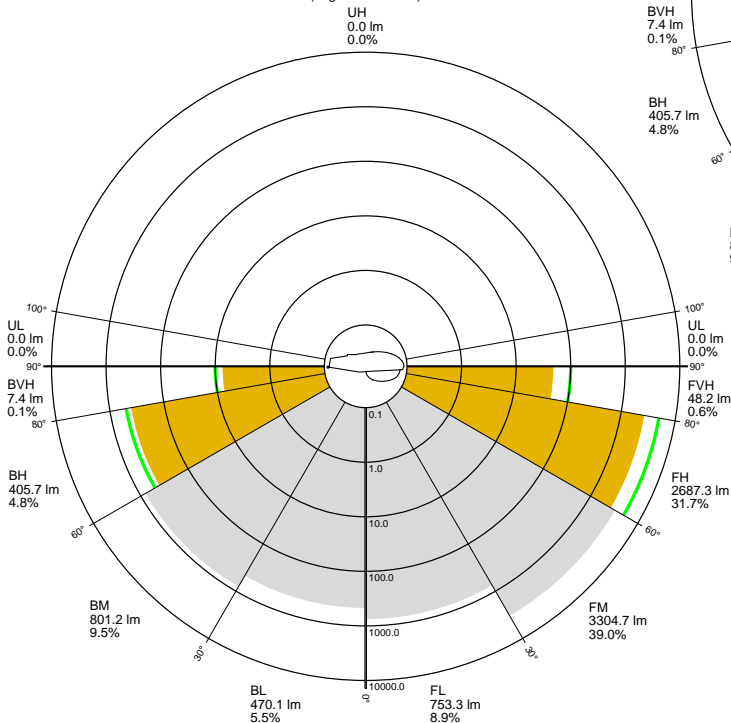
Backlight Rating Details

(Logarithmic scale)



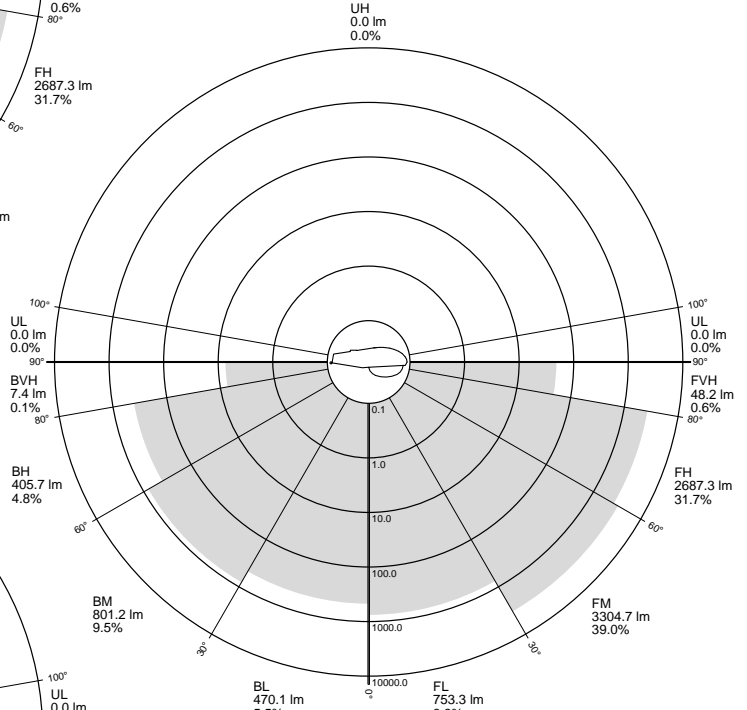
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	LATERAL ANGLE										
	STREET SIDE	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	80.0
											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	1.	1.	2.	3.	4.	6.	7.	16.	9.	11.
	85.0	2.	2.	4.	4.	7.	13.	43.	25.	31.	37.
V	82.5	5.	4.	7.	10.	37.	108.	186.	230.	295.	253.
E	80.0	11.	7.	16.	85.	165.	316.	654.	941.	1080.	1002.
R	77.5	17.	16.	72.	224.	384.	808.	1485.	2518.	2955.	2877.
T	75.0	25.	42.	186.	426.	760.	1366.	2284.	3908.	5689.	5590.
I	72.5	60.	110.	348.	687.	1161.	1976.	3162.	4300.	7224.	7640.
C	70.0<<	132.	213.	519.	958.	1640.	2653.	3747.	4827.	7231.	7855.
A	67.5	291.	326.	714.	1315.	2160.	3268.	4068.	5359.	6143.	6847.
L	65.0	474.	488.	999.	1706.	2653.	3655.	4347.	5512.	5560.	5446.
	62.5	635.	686.	1282.	2053.	2917.	3817.	4539.	5498.	5235.	4775.
A	60.0	791.	896.	1487.	2216.	3064.	3830.	4617.	5445.	5160.	4677.
N	57.5	958.	1072.	1609.	2337.	3070.	3799.	4654.	5034.	4913.	4610.
G	55.0	1148.	1229.	1641.	2346.	3042.	3878.	4602.	4811.	4498.	4239.
L	52.5	1349.	1403.	1738.	2430.	3194.	3948.	4413.	4486.	3943.	3707.
E	50.0	1532.	1563.	1868.	2585.	3294.	3906.	4293.	4169.	3542.	3354.
	47.5	1700.	1733.	2040.	2668.	3272.	3657.	4007.	3740.	3275.	3039.
	45.0	1812.	1866.	2154.	2689.	3166.	3382.	3453.	3394.	3091.	2815.
	42.5	1894.	1954.	2199.	2593.	2928.	3163.	3097.	3033.	2865.	2693.
	40.0	1927.	1961.	2171.	2406.	2729.	2969.	2913.	2775.	2675.	2580.
	37.5	1897.	1909.	2120.	2250.	2516.	2756.	2720.	2637.	2579.	2450.
	35.0	1811.	1817.	1981.	2071.	2292.	2451.	2552.	2609.	2445.	2311.
	32.5	1754.	1764.	1906.	1933.	2089.	2240.	2401.	2504.	2383.	2275.
	30.0	1719.	1745.	1861.	1887.	2025.	2120.	2258.	2313.	2219.	2170.
	25.0	1660.	1665.	1729.	1817.	1795.	1873.	1986.	2007.	1980.	1954.
	20.0	1583.	1587.	1635.	1763.	1785.	1801.	1772.	1795.	1782.	1773.
	15.0	1632.	1622.	1640.	1700.	1763.	1768.	1751.	1731.	1694.	1649.
	10.0	1584.	1587.	1600.	1610.	1632.	1665.	1699.	1700.	1683.	1669.
	5.0	1552.	1554.	1561.	1558.	1559.	1555.	1553.	1549.	1559.	1545.
	0.0	1520.	1520.	1520.	1520.	1520.	1520.	1520.	1520.	1520.	1520.

||
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.
	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	6.	5.	5.	4.	4.	4.	3.	2.	2.	2.
	85.0	16.	9.	7.	5.	5.	5.	5.	3.	2.	2.
V	82.5	120.	40.	39.	12.	7.	5.	5.	6.	6.	5.
E	80.0	498.	281.	119.	42.	18.	6.	6.	7.	7.	5.
R	77.5	1449.	749.	120.	38.	18.	7.	6.	7.	7.	6.
T	75.0	2932.	1269.	167.	53.	18.	10.	6.	7.	6.	6.
I	72.5	4572.	1765.	650.	147.	21.	11.	6.	7.	6.	5.
C	70.0<<	5422.	2257.	815.	224.	24.	12.	7.	7.	7.	6.
A	67.5	5221.	2736.	1272.	260.	39.	16.	8.	8.	8.	6.
L	65.0	4473.	2663.	1669.	327.	93.	19.	12.	9.	9.	8.
	62.5	3847.	2631.	1428.	425.	253.	50.	16.	13.	12.	10.
A	60.0	3595.	2758.	1403.	532.	409.	66.	23.	21.	25.	15.
N	57.5	3377.	2712.	1285.	562.	480.	150.	29.	24.	32.	16.
G	55.0	3205.	2676.	1209.	592.	462.	218.	56.	29.	38.	15.
L	52.5	2912.	2643.	1332.	735.	471.	263.	128.	46.	52.	16.
E	50.0	2641.	2470.	1402.	893.	496.	259.	183.	91.	44.	20.
	47.5	2559.	2392.	1438.	956.	500.	262.	212.	140.	86.	50.
	45.0	2500.	2311.	1494.	973.	526.	303.	205.	174.	147.	85.
	42.5	2426.	2201.	1586.	1009.	574.	338.	209.	171.	156.	107.
	40.0	2328.	2132.	1715.	1069.	638.	381.	250.	168.	142.	113.
	37.5	2212.	2067.	1805.	1118.	727.	440.	301.	217.	130.	114.
	35.0	2098.	2060.	1785.	1188.	795.	522.	342.	270.	176.	136.
	32.5	2085.	2069.	1805.	1268.	869.	598.	406.	309.	221.	179.
	30.0	2024.	2009.	1753.	1347.	959.	666.	470.	347.	252.	229.
	25.0	1876.	1853.	1667.	1476.	1101.	835.	618.	467.	373.	349.
	20.0	1716.	1702.	1586.	1420.	1264.	1037.	862.	692.	594.	561.
	15.0	1614.	1612.	1572.	1484.	1401.	1313.	1170.	1000.	935.	920.
	10.0	1636.	1632.	1599.	1554.	1484.	1407.	1333.	1267.	1236.	1220.
	5.0	1526.	1524.	1514.	1508.	1495.	1467.	1450.	1435.	1432.	1428.
	0.0	1520.	1520.	1520.	1520.	1520.	1520.	1520.	1520.	1520.	1520.

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	36
5- 10	109
10- 15	180
15- 20	237
20- 25	296
25- 30	366
30- 35	444
35- 40	532
40- 45	634
45- 50	743
50- 55	835
55- 60	918
60- 65	961
65- 70	970
70- 75	804
75- 80	358
80- 85	53
85- 90	3
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	145
0- 20	562
0- 30	1223
0- 40	2199
0- 50	3577
0- 60	5329
0- 70	7260
0- 80	8422
0- 90	8478
0-100	8478
0-110	8478
0-120	8478
0-130	8478
0-140	8478
0-150	8478
0-160	8478
0-170	8478
0-180	8478