

REPORT NUMBER: PRORATED FROM RAB04712

PAGE: 1 OF 10

ISSUE DATE: 12/18/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: W34-70L

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 RAB04712 WHICH WAS W34-70L-830. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 69.6 W AT 120.0 VAC.

LED DRIVER: LED DRIVER: RDD-SL-060-A1300 (-40C)

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



Checked X.CAO

Approved D.WANG-MUNSON

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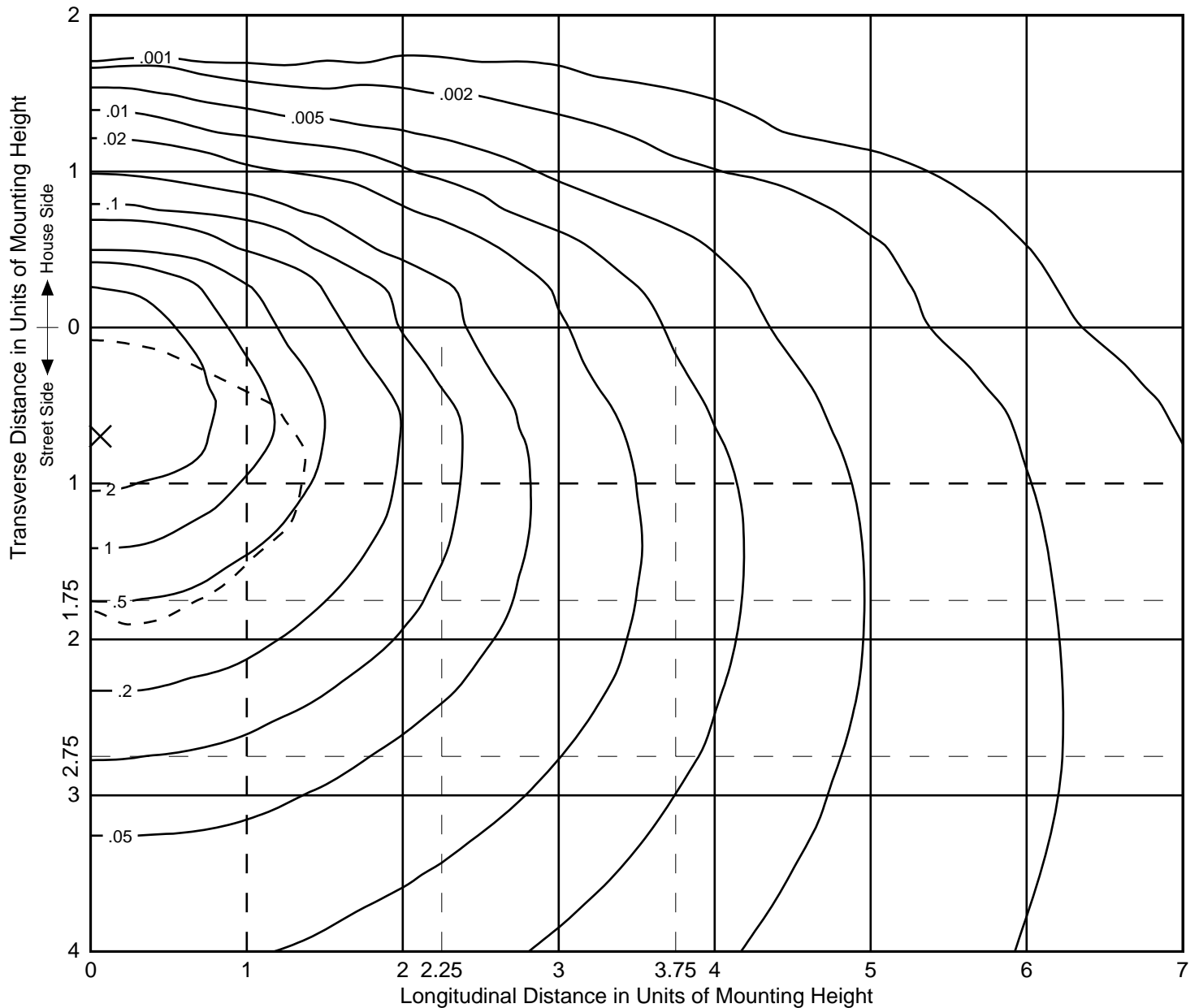
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 24-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — — 1/2 Maximum Candela trace

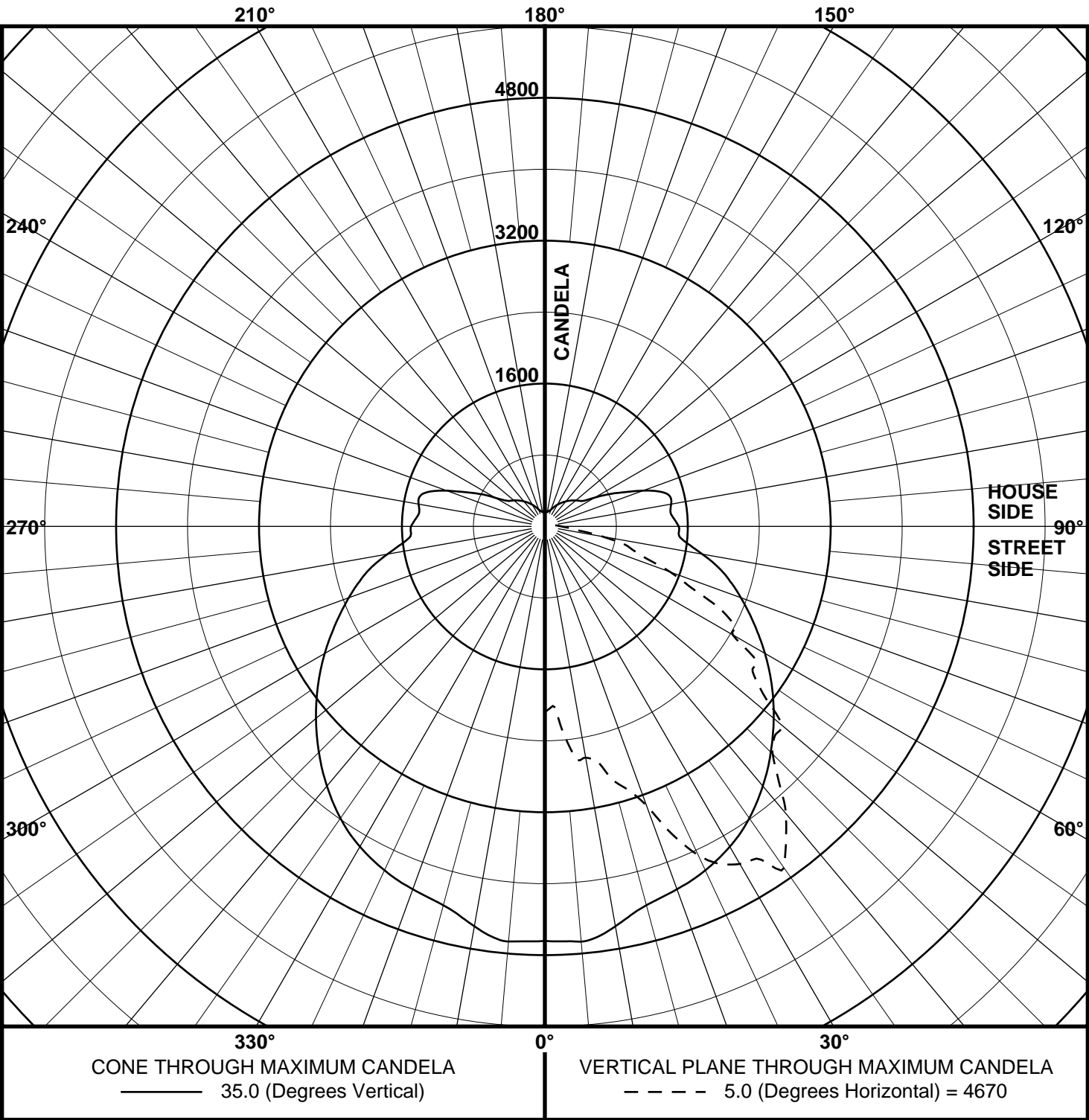
× Maximum Candela point



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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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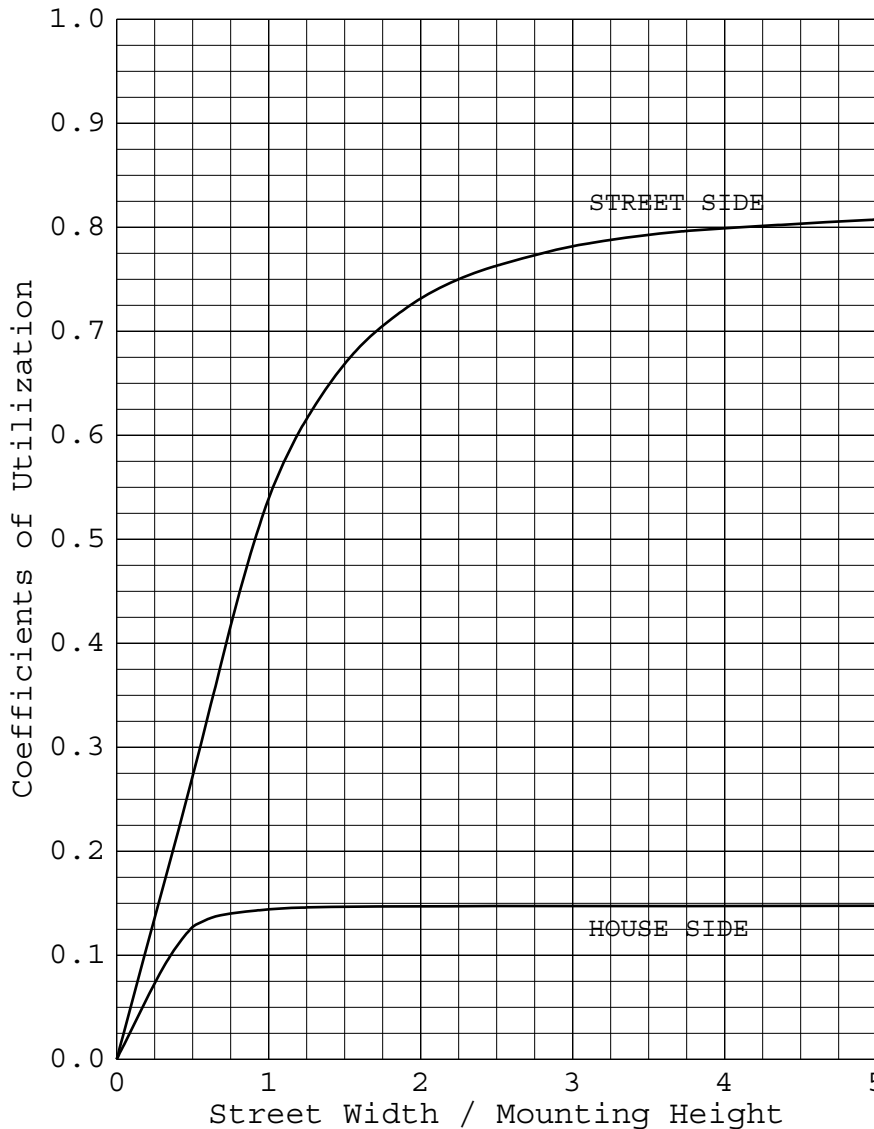
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	5927	82.5
DOWNWARD HOUSE SIDE	1065	14.8
DOWNWARD TOTAL	6992	97.3
UPWARD STREET SIDE	173	2.4
UPWARD HOUSE SIDE	23	0.3
UPWARD TOTAL	196	2.7
TOTAL FLUX	7188	100.0

EFFICACY = 103.3 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>G2</div>		
Zonal Summary			Zone Ratings		
			B	U	G
Forward					
FL	(0° – 30°)	5927			
FM	(30° – 60°)	1161.8			
FH	(60° – 80°)	3305.8			
FVH	(80° – 90°)	1304.9			G1
		155.0			G2
Backward					
BL	(0° – 30°)	1065			
BM	(30° – 60°)	537.4	B2		
BH	(60° – 80°)	440.2	B1		
BVH	(80° – 90°)	78.8	B0		G0
		8.4			G0
Upward					
UL	(90° – 100°)	196			
UH	(100° – 180°)	56.9		U3	
		139.0		U3	
Trapped Light					
Total Flux					
		0			
		7188			
		100.0			

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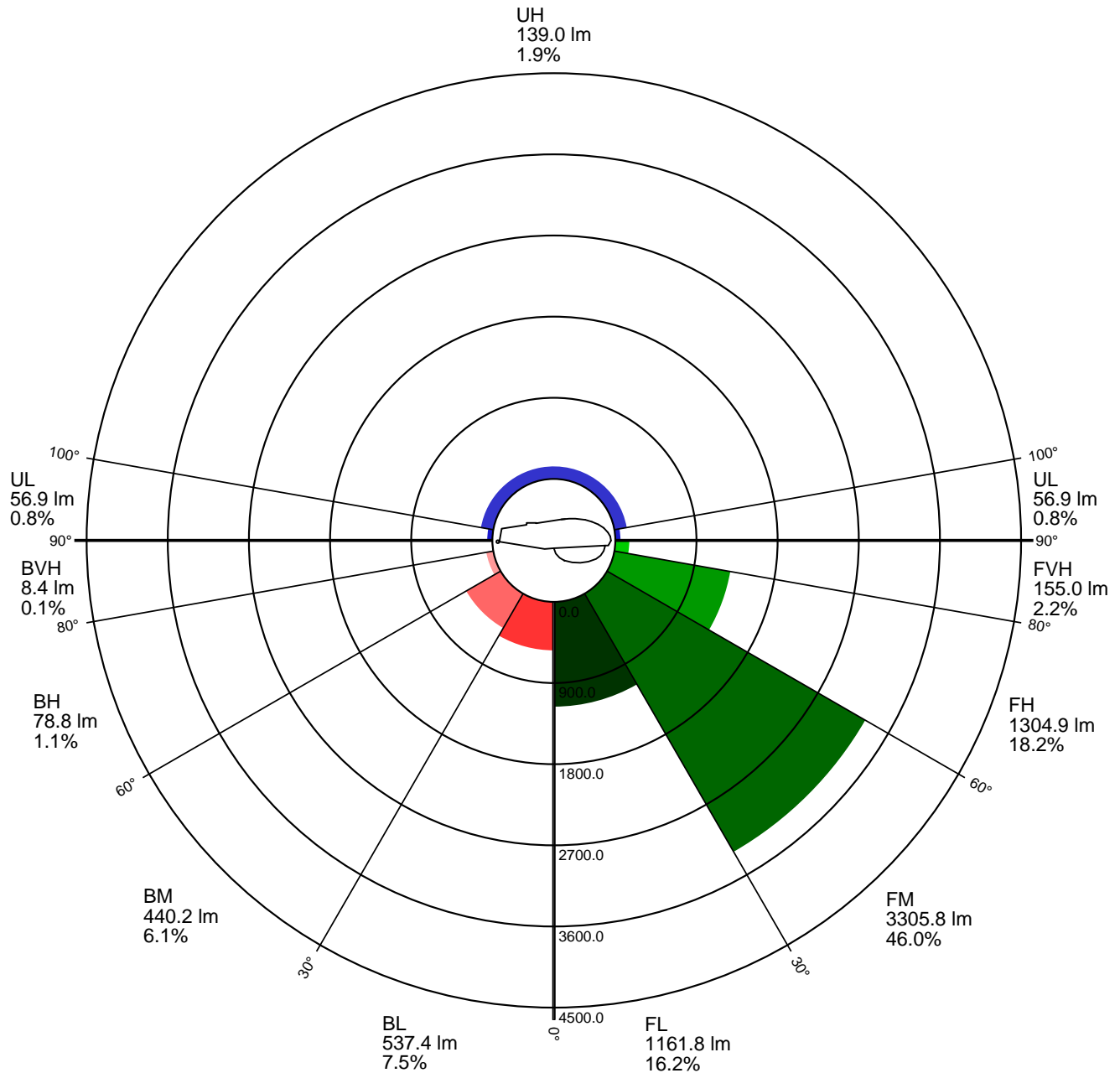
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Zonal Lumen Summary

(Linear scale)



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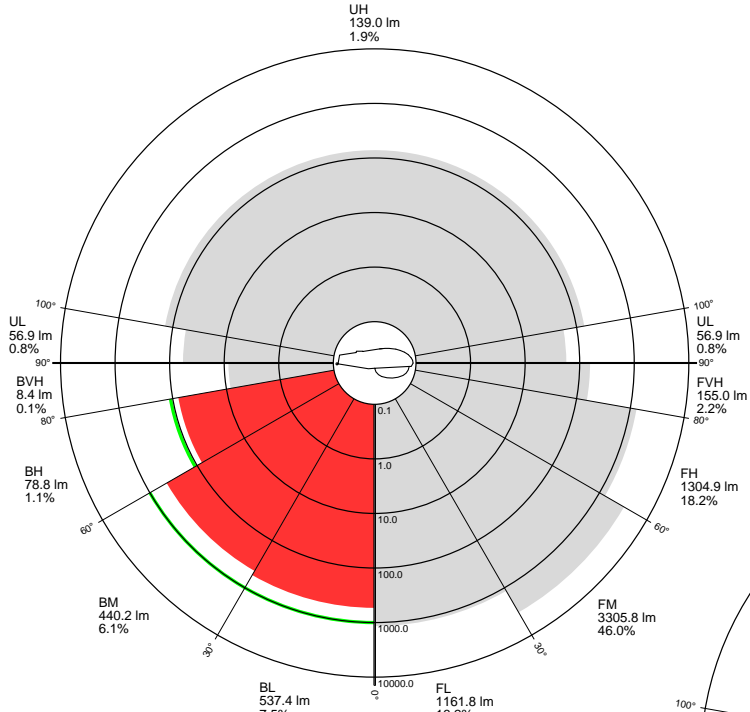
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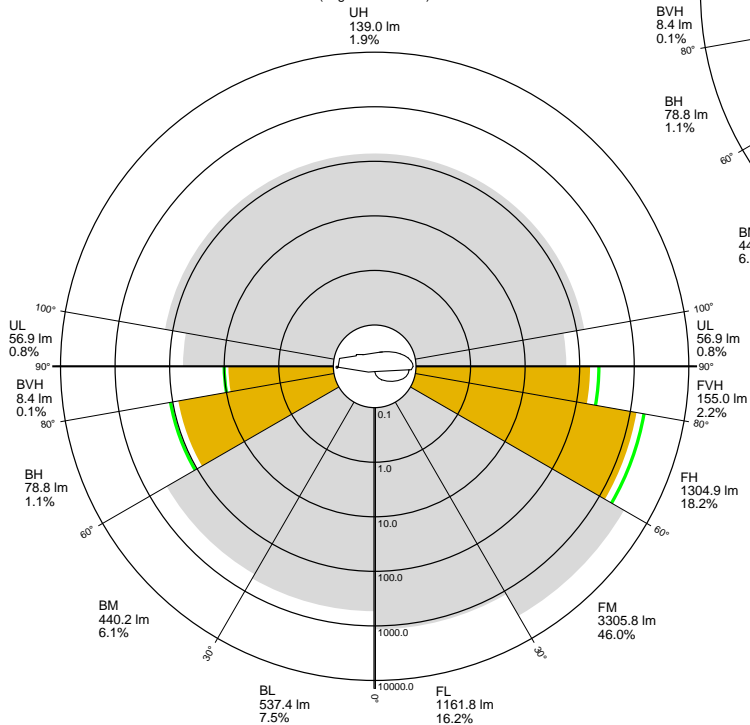
Backlight Rating Details

(Logarithmic scale)



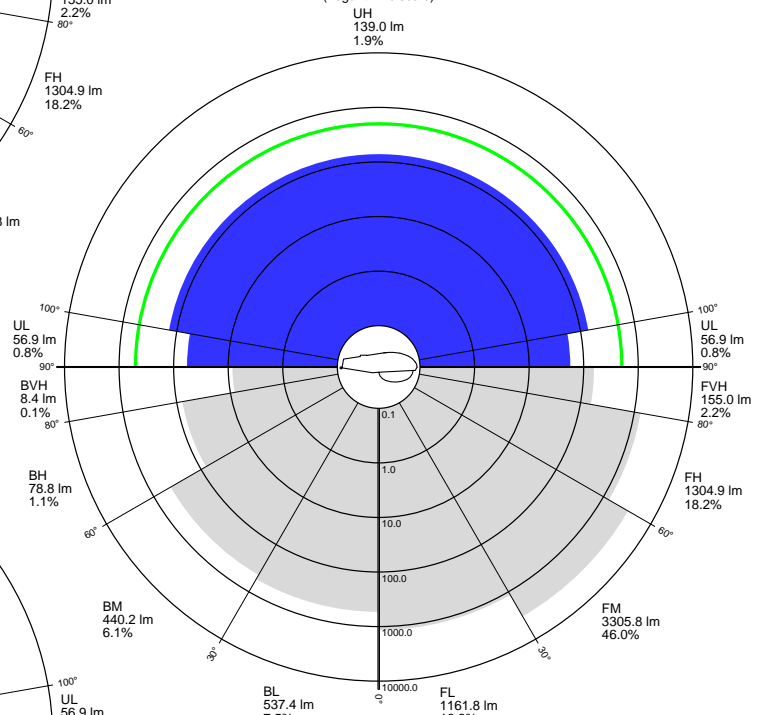
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

	STREET SIDE		LATERAL ANGLE								
	0.0	4.0	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	1.	1.	2.	2.	3.	4.	5.	6.	6.	6.
	165.0	11.	10.	10.	10.	8.	7.	6.	6.	6.	7.
	155.0	32.	32.	32.	30.	27.	22.	17.	11.	7.	6.
	145.0	60.	60.	60.	57.	50.	42.	33.	23.	14.	8.
	135.0	83.	82.	82.	79.	72.	61.	48.	35.	23.	12.
	125.0	90.	90.	89.	84.	75.	65.	55.	42.	30.	16.
	115.0	93.	93.	92.	87.	80.	69.	58.	48.	37.	28.
	105.0	96.	94.	94.	91.	85.	77.	68.	60.	50.	36.
	95.0	128.	129.	128.	125.	119.	111.	100.	88.	74.	53.
	92.5	151.	153.	153.	149.	140.	129.	115.	103.	91.	64.
	90.0	184.	181.	184.	179.	167.	155.	149.	130.	114.	84.
	87.5	235.	239.	238.	240.	230.	214.	193.	174.	161.	121.
	85.0	315.	312.	312.	309.	292.	276.	267.	265.	241.	172.
V	82.5	439.	422.	428.	431.	429.	432.	449.	416.	349.	252.
E	80.0	643.	643.	654.	653.	668.	625.	597.	541.	460.	355.
R	77.5	906.	891.	895.	848.	799.	768.	752.	709.	598.	474.
T	75.0	1008.	1011.	1020.	1027.	954.	964.	974.	935.	779.	577.
I	72.5	1166.	1178.	1189.	1238.	1243.	1211.	1242.	1164.	962.	710.
C	70.0	1491.	1488.	1494.	1502.	1517.	1512.	1523.	1403.	1138.	876.
A	67.5	1737.	1745.	1751.	1799.	1828.	1800.	1745.	1612.	1338.	1099.
L	65.0	2059.	2105.	2137.	2176.	2135.	2015.	1932.	1839.	1546.	1294.
	62.5	2316.	2363.	2390.	2321.	2286.	2203.	2173.	2079.	1743.	1419.
A	60.0	2384.	2405.	2431.	2490.	2479.	2426.	2425.	2249.	1966.	1541.
N	57.5	2758.	2786.	2810.	2783.	2618.	2714.	2606.	2448.	2196.	1630.
G	55.0	2797.	2841.	2840.	2809.	2929.	2905.	2743.	2662.	2404.	1665.
L	52.5	3005.	3060.	3077.	3209.	3162.	3052.	2966.	2950.	2493.	1699.
E	50.0	3390.	3474.	3463.	3354.	3282.	3205.	3241.	3106.	2482.	1779.
	47.5	3390.	3483.	3486.	3402.	3416.	3476.	3468.	3148.	2509.	1835.
	45.0	3508.	3601.	3607.	3551.	3702.	3733.	3620.	3193.	2545.	1937.
	42.5	3797.	3859.	3879.	3927.	4040.	3975.	3672.	3134.	2613.	2020.
	40.0	4152.	4199.	4197.	4210.	4263.	4087.	3692.	3088.	2529.	1993.
	37.5	4361.	4414.	4434.	4406.	4374.	4047.	3663.	3091.	2538.	2066.
	35.0<<	4643.	4657.	4670.	4391.	4250.	3990.	3577.	3102.	2586.	2089.
	32.5	4375.	4394.	4409.	4305.	4163.	3843.	3506.	3032.	2637.	2115.
	30.0	4297.	4362.	4366.	4250.	4015.	3715.	3460.	2888.	2595.	2189.
	25.0	4114.	4042.	4062.	3833.	3656.	3357.	2967.	2805.	2458.	2172.
	20.0	3387.	3345.	3326.	3257.	3083.	2944.	2825.	2541.	2411.	2154.
	15.0	2963.	2935.	2939.	2892.	2822.	2658.	2525.	2449.	2319.	1976.
	10.0	2606.	2627.	2630.	2601.	2542.	2604.	2507.	2333.	2094.	1974.
	5.0	2330.	2300.	2306.	2259.	2137.	2081.	2038.	2001.	1974.	2004.
	0.0	2081.	2081.	2081.	2081.	2081.	2081.	2081.	2081.	2081.	2081.

||
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
VERTICAL	180.0	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	175.0	7.	6.	6.	6.	6.	5.	4.	4.	4.	4.	4.
	165.0	7.	7.	7.	7.	7.	6.	6.	6.	6.	6.	6.
	155.0	7.	7.	7.	7.	7.	7.	7.	7.	7.	8.	8.
	145.0	7.	7.	8.	8.	7.	8.	8.	8.	8.	9.	8.
	135.0	8.	8.	7.	7.	7.	7.	7.	7.	8.	8.	8.
	125.0	9.	8.	7.	7.	7.	6.	6.	6.	6.	6.	7.
	115.0	15.	11.	8.	7.	7.	6.	5.	5.	5.	5.	5.
	105.0	20.	17.	9.	7.	6.	6.	5.	5.	5.	5.	5.
	95.0	21.	19.	12.	8.	6.	5.	5.	4.	4.	4.	4.
	92.5	28.	21.	14.	8.	7.	5.	5.	4.	4.	4.	4.
	90.0	41.	24.	17.	9.	7.	5.	4.	4.	3.	3.	4.
	87.5	61.	32.	21.	10.	7.	5.	4.	3.	3.	3.	3.
	85.0	99.	48.	28.	12.	7.	5.	4.	3.	3.	3.	3.
	82.5	126.	81.	36.	15.	7.	5.	4.	3.	3.	2.	2.
	80.0	172.	147.	50.	18.	8.	5.	3.	3.	2.	2.	2.
	77.5	244.	207.	65.	23.	9.	5.	3.	3.	2.	1.	2.
	75.0	309.	257.	87.	31.	10.	5.	3.	2.	2.	1.	1.
	72.5	370.	306.	114.	43.	13.	5.	3.	2.	2.	1.	1.
	70.0	423.	387.	154.	61.	20.	6.	3.	2.	2.	1.	1.
	67.5	499.	494.	195.	83.	32.	7.	3.	2.	2.	1.	0.
	65.0	569.	562.	223.	109.	45.	15.	3.	2.	1.	0.	0.
	62.5	634.	626.	260.	142.	58.	24.	7.	2.	1.	0.	0.
	60.0	736.	757.	339.	177.	78.	36.	19.	8.	5.	2.	0.
	57.5	815.	839.	405.	216.	98.	51.	28.	23.	17.	13.	11.
	55.0	897.	907.	478.	265.	128.	65.	40.	29.	29.	30.	30.
	52.5	973.	971.	577.	308.	164.	82.	56.	39.	34.	34.	34.
	50.0	1068.	1069.	693.	345.	210.	102.	70.	59.	45.	42.	41.
	47.5	1162.	1113.	801.	405.	266.	134.	84.	71.	65.	61.	59.
	45.0	1230.	1189.	936.	460.	317.	172.	100.	83.	79.	77.	75.
	42.5	1289.	1254.	1062.	529.	360.	226.	136.	94.	88.	86.	85.
	40.0	1343.	1303.	1174.	638.	406.	294.	181.	123.	97.	92.	89.
37.5	1399.	1356.	1344.	758.	450.	354.	249.	168.	131.	117.	114.	
35.0<<	1498.	1425.	1413.	883.	495.	409.	322.	238.	179.	163.	156.	
32.5	1565.	1516.	1505.	1019.	622.	457.	389.	317.	269.	246.	232.	
30.0	1620.	1594.	1602.	1209.	762.	500.	436.	380.	340.	317.	306.	
25.0	1783.	1785.	1613.	1618.	1120.	796.	543.	473.	453.	431.	416.	
20.0	1883.	1906.	1636.	1712.	1573.	1209.	1001.	829.	726.	621.	612.	
15.0	1985.	1968.	1776.	1641.	1749.	1794.	1542.	1411.	1226.	1142.	1156.	
10.0	2055.	2024.	2049.	1851.	1707.	1729.	1866.	1730.	1770.	1817.	1826.	
5.0	2063.	2075.	2048.	2131.	2055.	1939.	1870.	1843.	1844.	1880.	1894.	
0.0	2081.	2081.	2081.	2081.	2081.	2081.	2081.	2081.	2081.	2081.	2081.	

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	49
5- 10	148
10- 15	247
15- 20	332
20- 25	416
25- 30	508
30- 35	588
35- 40	646
40- 45	664
45- 50	652
50- 55	625
55- 60	571
60- 65	498
65- 70	404
70- 75	289
75- 80	193
80- 85	109
85- 90	54
90- 95	33
95-100	24
100-105	20
105-110	18
110-115	17
115-120	15
120-125	14
125-130	13
130-135	11
135-140	10
140-145	7
145-150	5
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	197
0- 20	775
0- 30	1699
0- 40	2933
0- 50	4250
0- 60	5445
0- 70	6347
0- 80	6829
0- 90	6992
0-100	7049
0-110	7088
0-120	7120
0-130	7146
0-140	7167
0-150	7180
0-160	7186
0-170	7188
0-180	7188