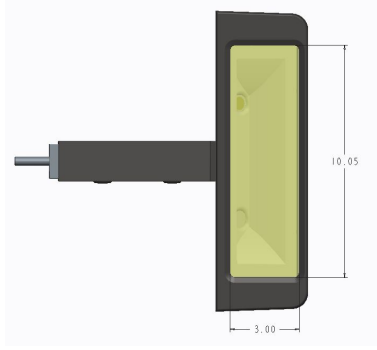


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



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 ISSUE DATE: 10/28/16 PAGE: 1 OF 9
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALEDC52N/480,
 WPLEDC52N/480 (7.5-DEGREE UPTILT - CUTOFF)

LUMINAIRE: CAST FINNED METAL HOUSING,
 2-PIECE EXTRUDED METAL HEAT SINK, 2
 CIRCUIT BOARDS EACH WITH 1 LED,
 MOLDED PLASTIC REFLECTOR WITH
 SPECULAR FINISH AND 1 OPTICAL
 COMPARTMENT WITH 1 APERTURE PER LED,
 CLEAR FLAT GLASS LENS IN CAST BROWN
 PAINTED METAL FRAME.

LAMPS: TWO WHITE MULTI-CHIP LIGHT
 EMITTING DIODES (LEDs), TILTED
 47.5-DEGREES FROM VERTICAL BASE-UP
 POSITION.

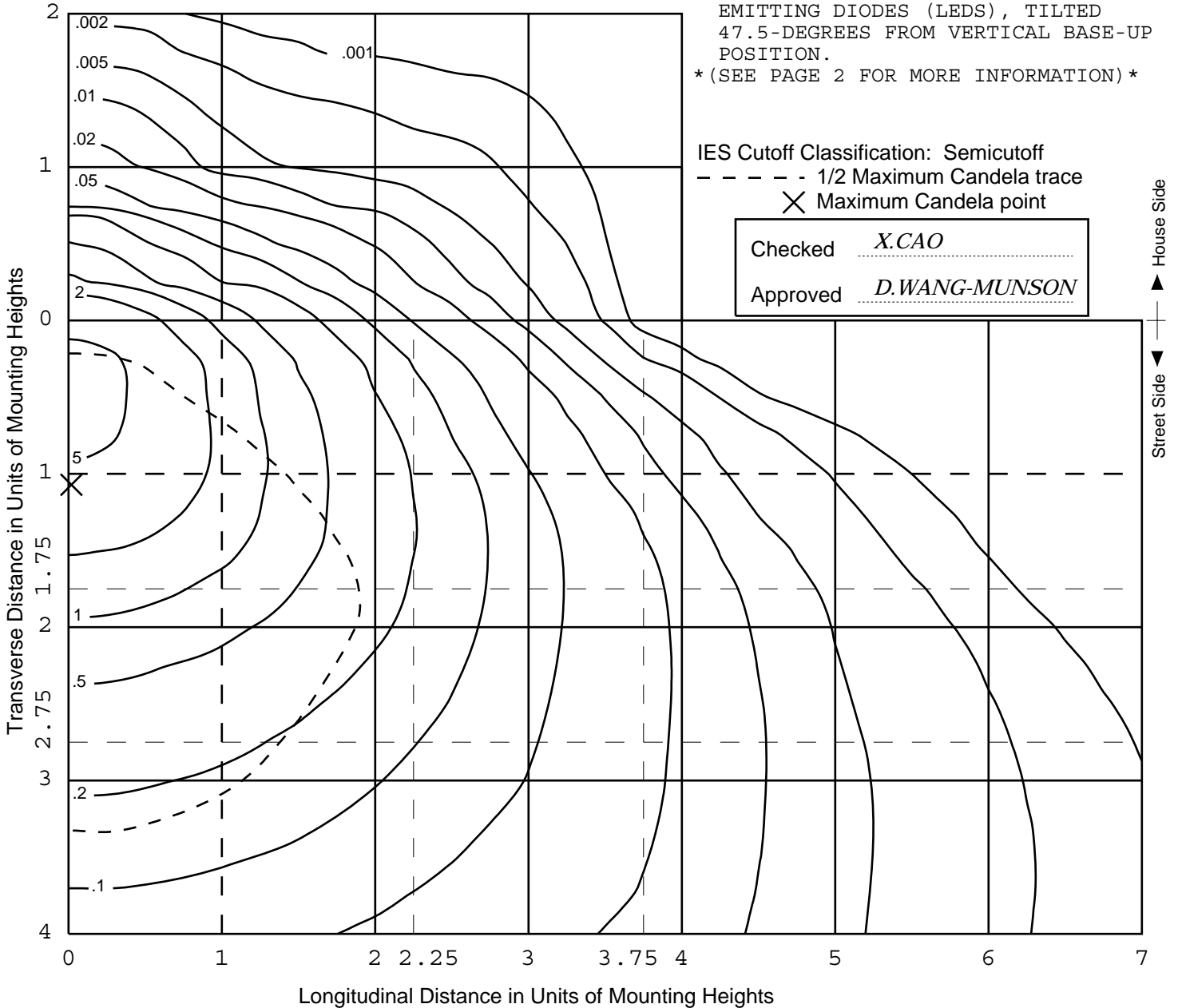
(SEE PAGE 2 FOR MORE INFORMATION)

IES Cutoff Classification: Semicutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO
 Approved D.WANG-MUNSON



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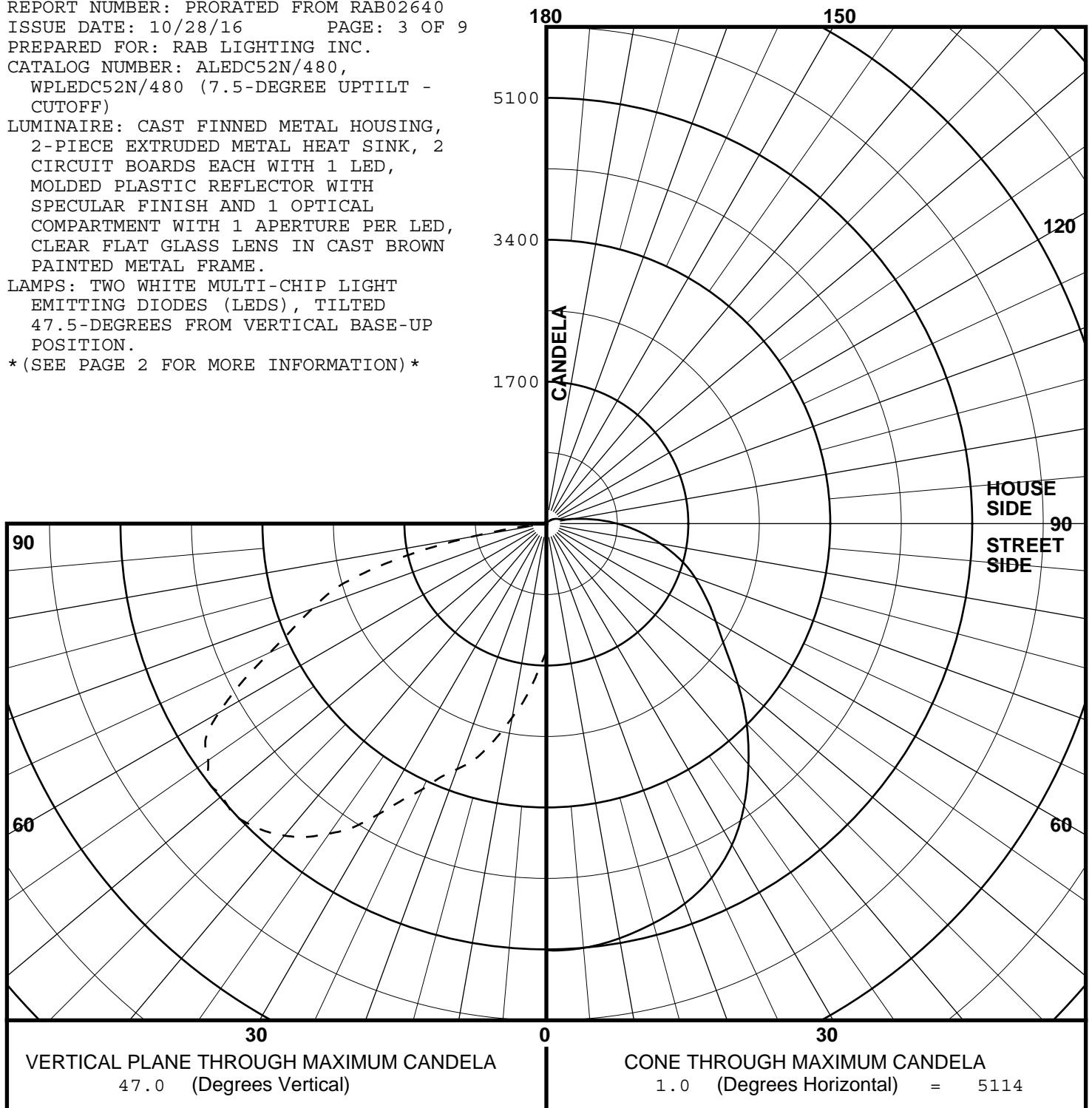
PAGE: 2 OF 9

ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02640 WHICH WAS ALED52Y/480,
WPLED52Y/480. ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 57.9 W AT 480.0 VAC.
LED DRIVER: RD-H065-A1810-480
TEST PROCEDURE: IESNA LM-79-08

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

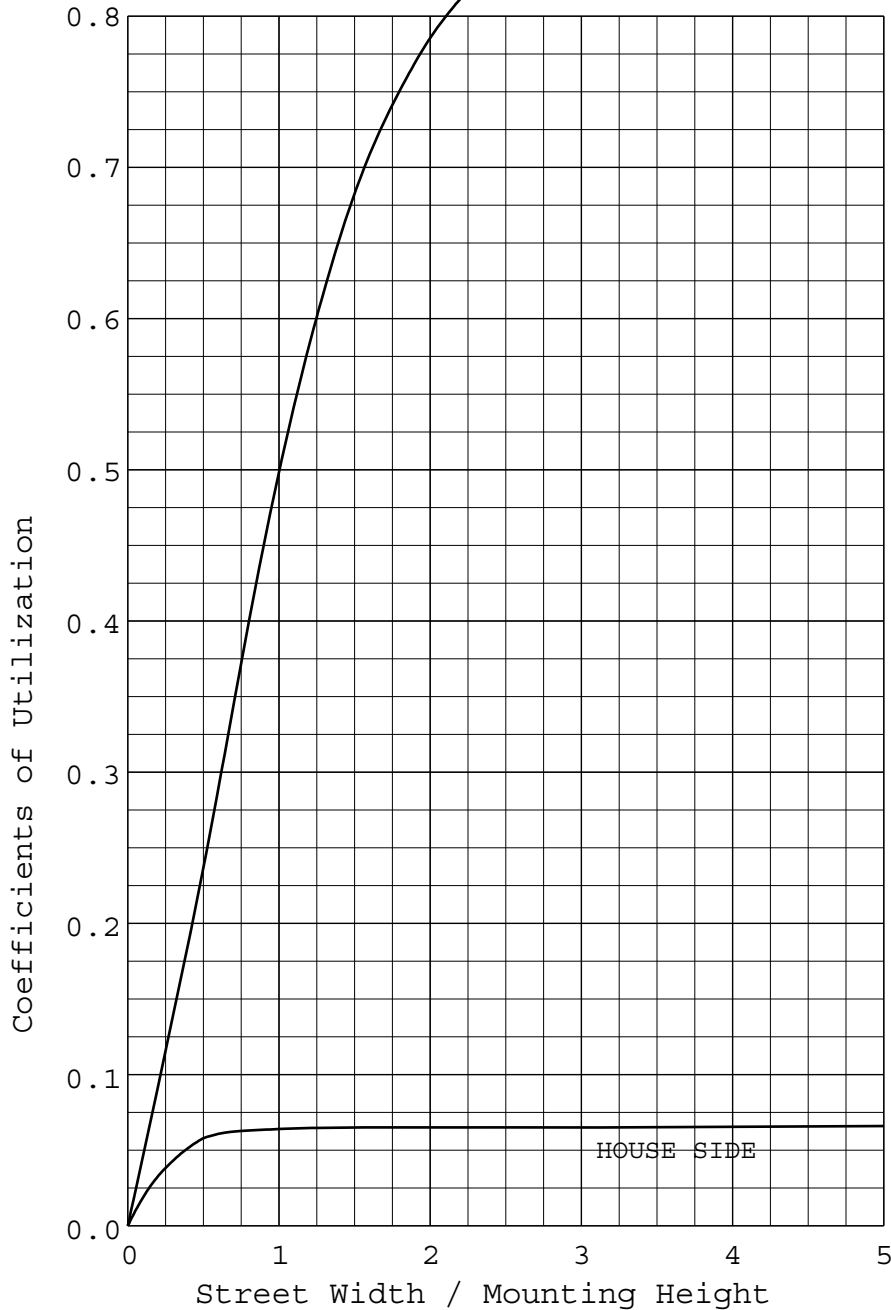
REPORT NUMBER: PRORATED FROM RAB02640
 ISSUE DATE: 10/28/16 PAGE: 3 OF 9
 PREPARED FOR: RAB LIGHTING INC.
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6850.	93.4
DOWNWARD HOUSE SIDE	487.	6.6
DOWNWARD TOTAL	7337.	100.0
UPWARD STREET SIDE	1.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	1.	0.0
TOTAL FLUX	7338.	100.0
TOTAL INPUT WATTS = 57.9		
EFFICACY = 126.7 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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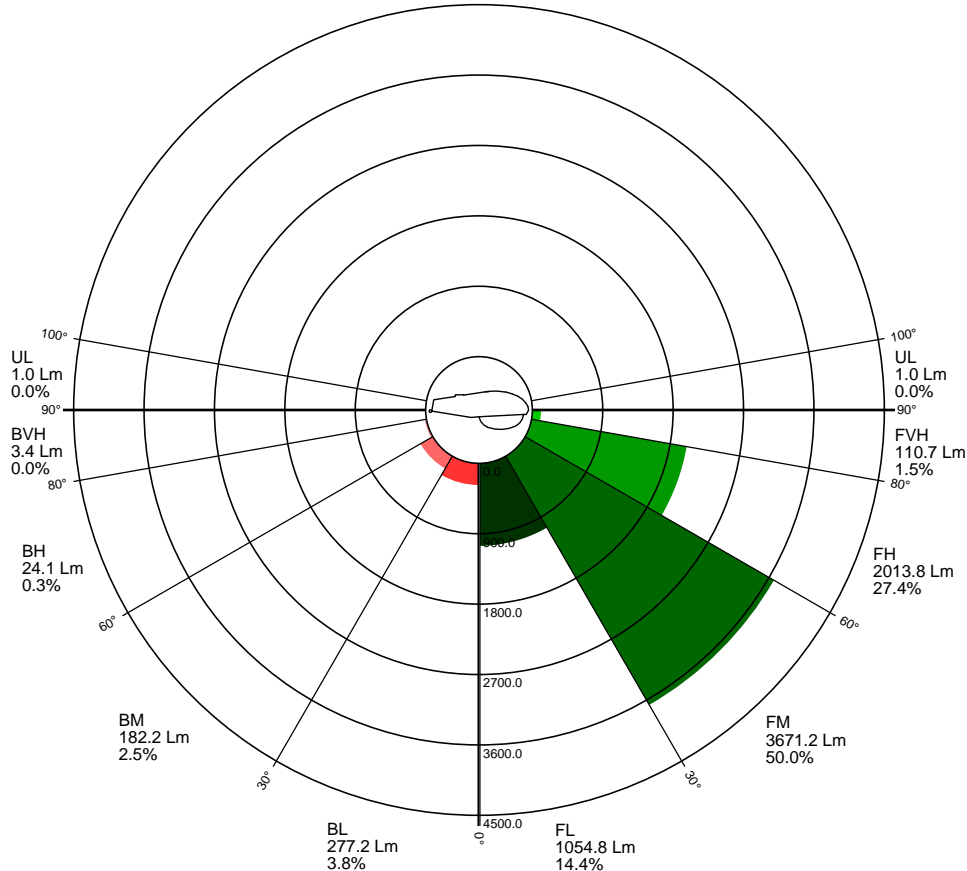
PAGE: 5 OF 9

BUG Rating:				B1	U1	G2
Zonal Summary				Zone Ratings		
		Lumens	% of Fixture	B	U	G
Forward		6850	93.4			
FL	(0° - 30°)	1054.8	14.4			
FM	(30° - 60°)	3671.2	50.0			
FH	(60° - 80°)	2013.8	27.4			G2
FVH	(80° - 90°)	110.7	1.5			G2
Backward		487	6.6			
BL	(0° - 30°)	277.2	3.8	B1		
BM	(30° - 60°)	182.2	2.5	B0		
BH	(60° - 80°)	24.1	0.3	B0		G0
BVH	(80° - 90°)	3.4	0.0			G0
Upward		1	0.0			
UL	(90° - 100°)	1.0	0.0		U1	
UH	(100° - 180°)	0.0	0.0		U0	
Trapped Light		0	0.0			
Total Flux		7338	100.0			

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

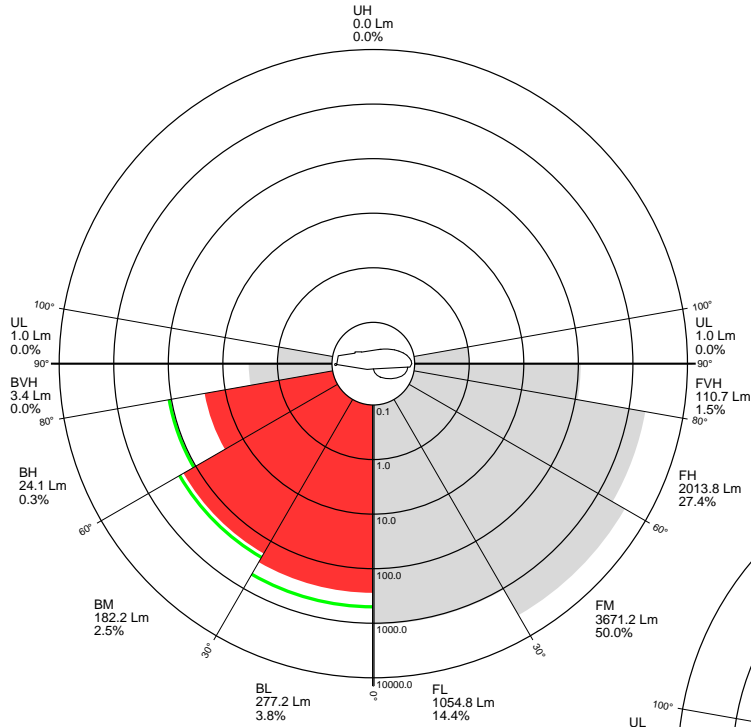


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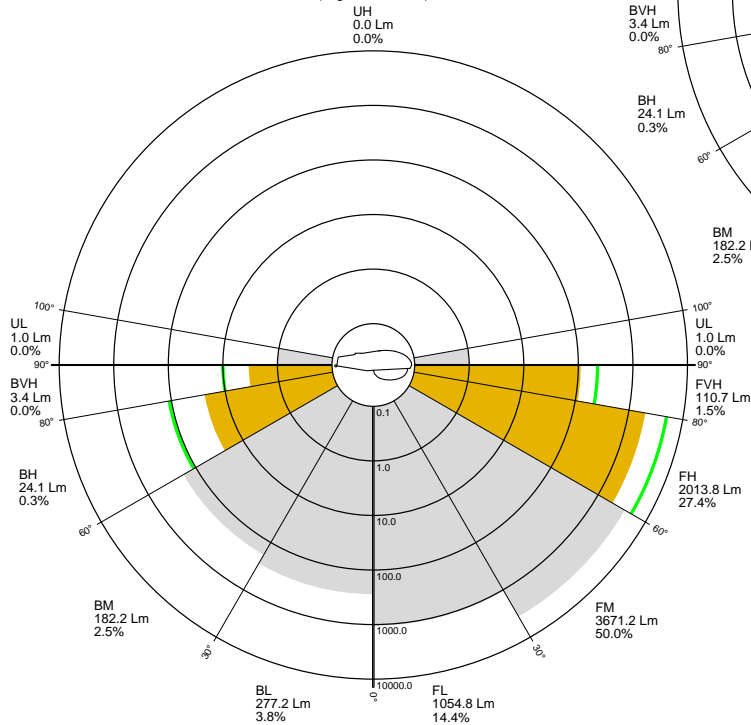
Backlight Rating Details

(Logarithmic scale)



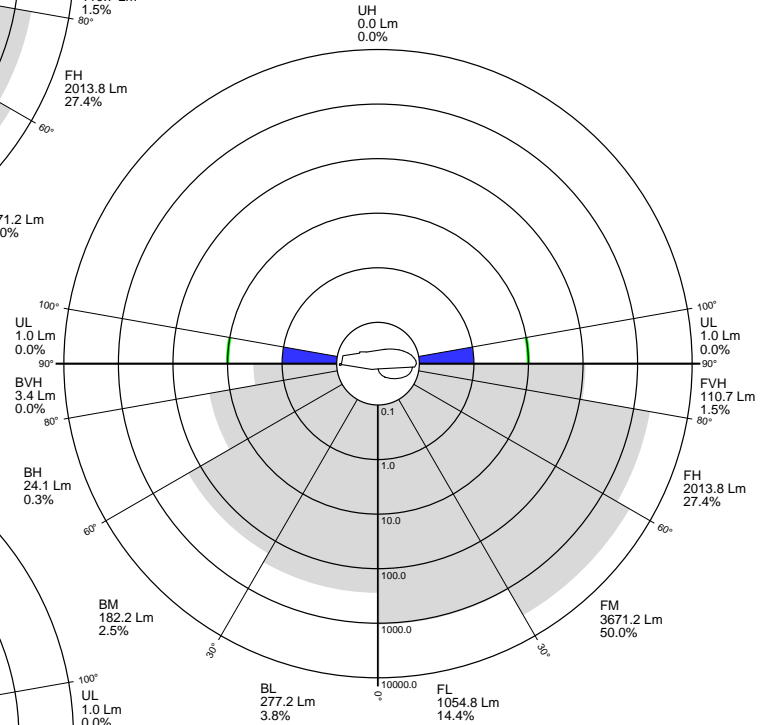
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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STREET SIDE

0.0 1.0 5.0 15.0 25.0 35.0 45.0 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.
	90.0	8.	8.	9.	8.	7.	6.	6.	6.	7.	8.
	87.5	29.	29.	32.	27.	30.	26.	19.	13.	21.	8.
	85.0	98.	98.	101.	98.	119.	125.	141.	126.	109.	29.
	82.5	366.	370.	393.	417.	502.	548.	550.	355.	220.	60.
V	80.0	906.	918.	954.	997.	1124.	1139.	1074.	680.	346.	123.
E	77.5	1601.	1614.	1648.	1661.	1728.	1676.	1531.	1005.	605.	203.
R	75.0	2222.	2230.	2255.	2235.	2235.	2088.	1819.	1366.	918.	348.
T	72.5	2700.	2703.	2713.	2651.	2528.	2351.	2144.	1703.	1179.	525.
I	70.0	2988.	2985.	2991.	2894.	2821.	2691.	2511.	1998.	1381.	692.
C	67.5	3289.	3287.	3299.	3214.	3162.	3119.	2853.	2186.	1544.	847.
A	65.0	3653.	3653.	3678.	3611.	3590.	3532.	3098.	2317.	1667.	988.
L	62.5	4108.	4111.	4113.	4024.	4007.	3915.	3249.	2431.	1754.	1130.
	60.0	4521.	4528.	4524.	4437.	4374.	4084.	3365.	2519.	1813.	1258.
A	57.5	4839.	4843.	4831.	4720.	4531.	4203.	3439.	2580.	1863.	1368.
N	55.0	4943.	4944.	4927.	4826.	4695.	4236.	3474.	2621.	1899.	1464.
G	52.5	5096.	5096.	5084.	4949.	4737.	4246.	3468.	2643.	1952.	1543.
L	50.0	5076.	5075.	5071.	4965.	4744.	4213.	3445.	2644.	2016.	1602.
E	47.5	5110.	5111.	5103.	4964.	4700.	4143.	3407.	2625.	2096.	1651.
	47.0<<	5112.	5114.	5103.	4957.	4682.	4129.	3394.	2622.	2115.	1661.
	45.0	5073.	5072.	5063.	4902.	4589.	4073.	3343.	2603.	2191.	1701.
	42.5	4994.	4993.	4980.	4808.	4452.	3963.	3253.	2607.	2274.	1752.
	40.0	4881.	4879.	4855.	4679.	4315.	3840.	3160.	2648.	2338.	1795.
	37.5	4735.	4732.	4708.	4510.	4164.	3718.	3104.	2694.	2372.	1839.
	35.0	4528.	4534.	4496.	4313.	3991.	3563.	3099.	2741.	2379.	1870.
	30.0	4011.	4020.	3990.	3831.	3588.	3343.	3046.	2743.	2349.	1914.
	25.0	3524.	3513.	3509.	3426.	3268.	3128.	2917.	2627.	2259.	1915.
	20.0	3140.	3132.	3126.	3110.	3040.	2918.	2685.	2432.	2151.	1886.
	15.0	2810.	2798.	2796.	2780.	2686.	2572.	2382.	2217.	2030.	1821.
	10.0	2358.	2357.	2356.	2363.	2286.	2218.	2105.	2015.	1883.	1736.
	5.0	1939.	1937.	1935.	1956.	1904.	1868.	1801.	1760.	1695.	1634.
	0.0	1529.	1529.	1529.	1529.	1529.	1529.	1529.	1529.	1529.	1529.

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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.
	90.0	8.	8.	8.	8.	8.	7.	6.	5.	5.	5.	4.
	87.5	8.	8.	8.	8.	7.	7.	6.	5.	4.	4.	4.
	85.0	8.	8.	8.	7.	7.	6.	5.	4.	3.	3.	3.
	82.5	8.	8.	8.	7.	7.	6.	5.	4.	3.	2.	2.
V	80.0	9.	8.	8.	7.	7.	6.	5.	4.	3.	2.	2.
E	77.5	9.	8.	9.	9.	7.	5.	4.	4.	2.	1.	1.
R	75.0	14.	9.	17.	15.	7.	5.	4.	3.	2.	1.	1.
T	72.5	70.	47.	24.	20.	9.	6.	4.	3.	2.	1.	1.
I	70.0	142.	77.	36.	20.	11.	6.	5.	3.	2.	1.	1.
C	67.5	227.	107.	53.	20.	14.	7.	5.	4.	3.	2.	2.
A	65.0	321.	154.	74.	21.	15.	9.	6.	5.	5.	5.	5.
L	62.5	417.	208.	96.	25.	15.	10.	8.	7.	8.	7.	7.
	60.0	499.	263.	114.	36.	15.	13.	11.	13.	13.	11.	13.
A	57.5	576.	319.	129.	56.	17.	14.	15.	16.	19.	18.	18.
N	55.0	647.	378.	142.	78.	22.	15.	17.	20.	22.	22.	22.
G	52.5	718.	437.	156.	99.	32.	19.	19.	22.	26.	27.	27.
L	50.0	782.	499.	170.	117.	53.	26.	22.	24.	27.	29.	29.
E	47.5	839.	560.	187.	132.	81.	36.	27.	27.	28.	29.	30.
	47.0<<	850.	571.	190.	134.	86.	40.	28.	27.	28.	29.	30.
	45.0	892.	612.	206.	145.	104.	54.	38.	30.	30.	31.	31.
	42.5	947.	667.	237.	158.	123.	81.	47.	42.	35.	34.	34.
	40.0	1011.	733.	280.	174.	139.	106.	71.	52.	49.	48.	48.
	37.5	1077.	805.	344.	194.	156.	129.	107.	80.	63.	57.	55.
	35.0	1147.	886.	429.	222.	182.	159.	149.	132.	111.	97.	99.
	30.0	1284.	1050.	614.	323.	270.	237.	232.	228.	226.	223.	222.
	25.0	1372.	1185.	803.	503.	354.	332.	321.	315.	321.	319.	320.
	20.0	1440.	1289.	985.	716.	530.	415.	399.	401.	407.	405.	407.
	15.0	1483.	1367.	1143.	927.	760.	613.	526.	477.	462.	451.	454.
	10.0	1507.	1429.	1290.	1145.	1018.	903.	830.	765.	734.	704.	719.
	5.0	1515.	1480.	1406.	1348.	1300.	1233.	1193.	1152.	1136.	1111.	1132.
	0.0	1529.	1529.	1529.	1529.	1529.	1529.	1529.	1529.	1529.	1529.	1529.

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	37
5- 10	109
10- 15	181
15- 20	257
20- 25	335
25- 30	413
30- 35	491
35- 40	564
40- 45	632
45- 50	693
50- 55	733
55- 60	740
60- 65	690
65- 70	586
70- 75	464
75- 80	298
80- 85	103
85- 90	12
90- 95	1
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	583
0- 30	1332
0- 40	2387
0- 50	3712
0- 60	5185
0- 70	6462
0- 80	7223
0- 90	7337
0-100	7338
0-110	7338
0-120	7338
0-130	7338
0-140	7338
0-150	7338
0-160	7338
0-170	7338
0-180	7338