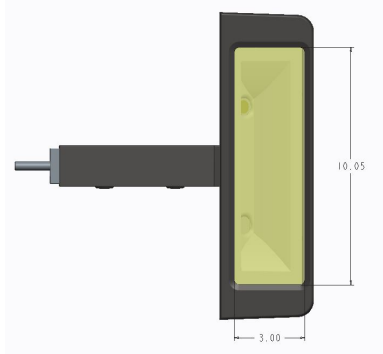


### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 20 foot mounting height.



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 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALEDFC52N/WPLEDFC52N  
 (0-DEGREE UPTILT - FULL 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  
 40-DEGREES FROM VERTICAL BASE-UP  
 POSITION.

\*(SEE PAGE 2 FOR MORE INFORMATION)\*

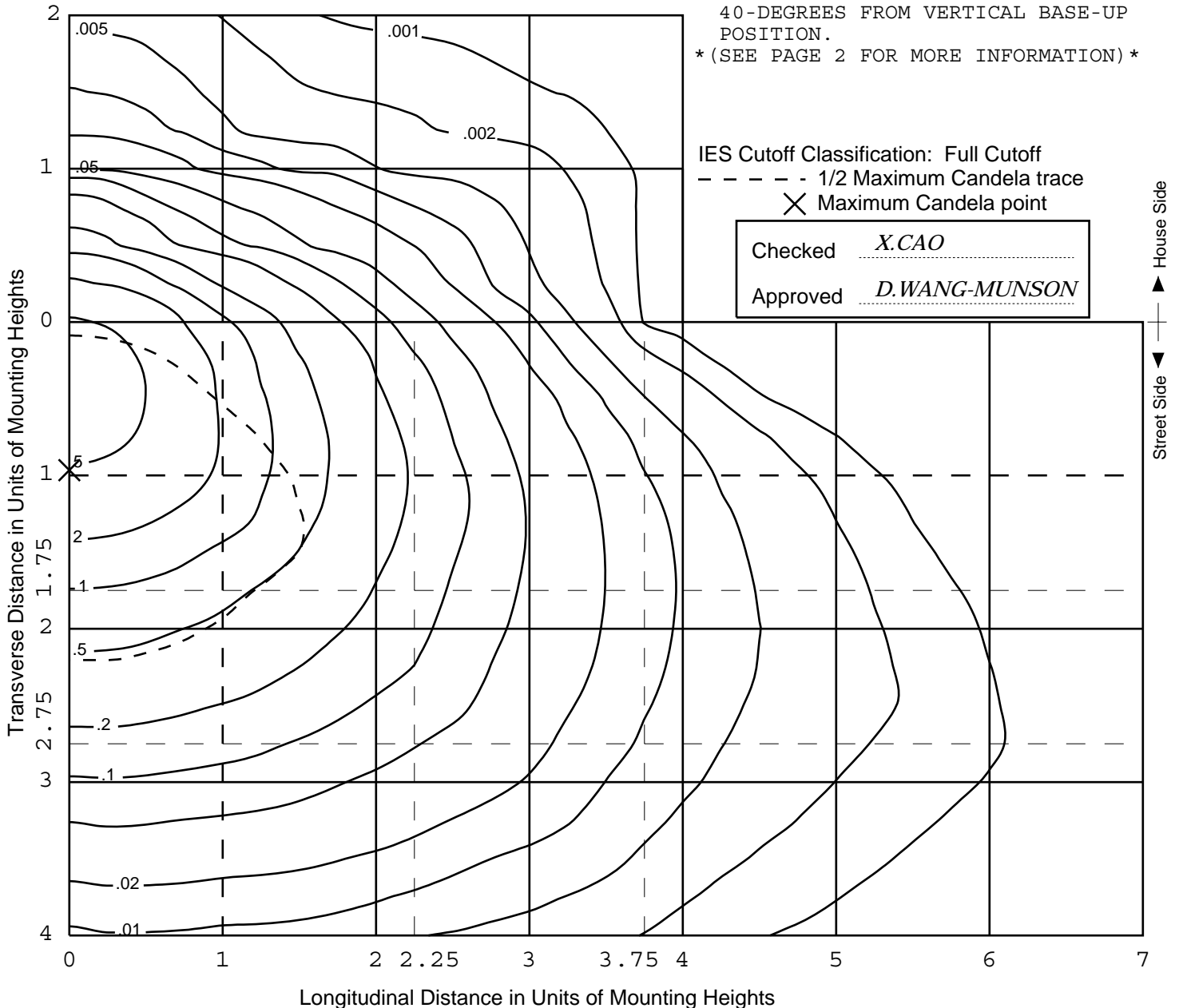
IES Cutoff Classification: Full Cutoff

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



REPORT NUMBER: PRORATED FROM RAB02588  
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PREPARED FOR: RAB LIGHTING INC.

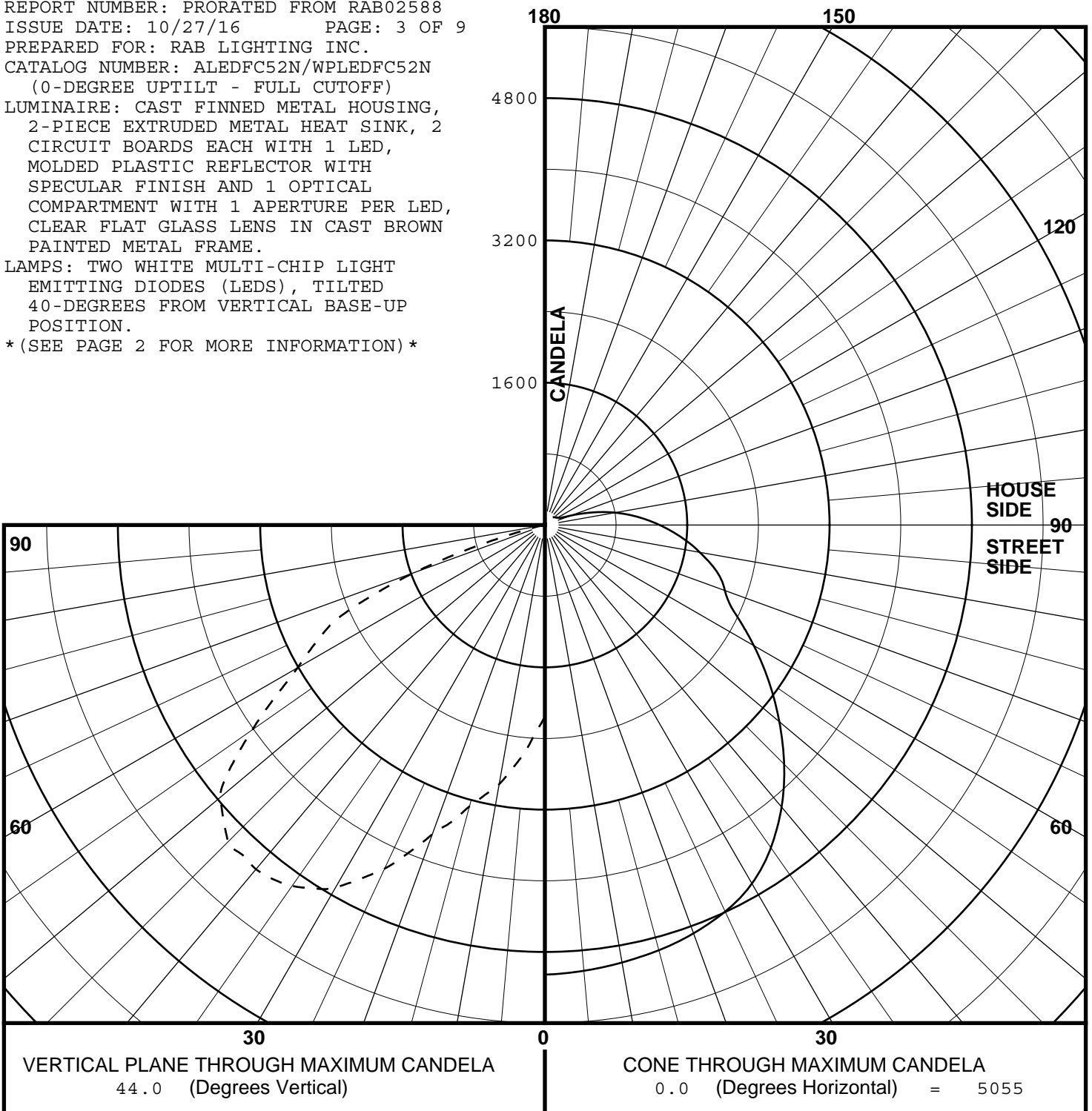
PAGE: 2 OF 9

## ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02588 WHICH WAS  
ALEDFC80Y/WPLEDFC80Y. ACTUAL PERFORMANCE MAY VARY.  
TOTAL INPUT WATTS = 58.2 W AT 120.0 VAC.  
LED DRIVER: RD-052-A1400-R  
TEST PROCEDURE: IESNA LM-79-08

### MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

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 CATALOG NUMBER: ALEDFC52N/WPLEDFC52N  
 (0-DEGREE UPTILT - FULL 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  
 40-DEGREES FROM VERTICAL BASE-UP  
 POSITION.  
 \*(SEE PAGE 2 FOR MORE INFORMATION)\*



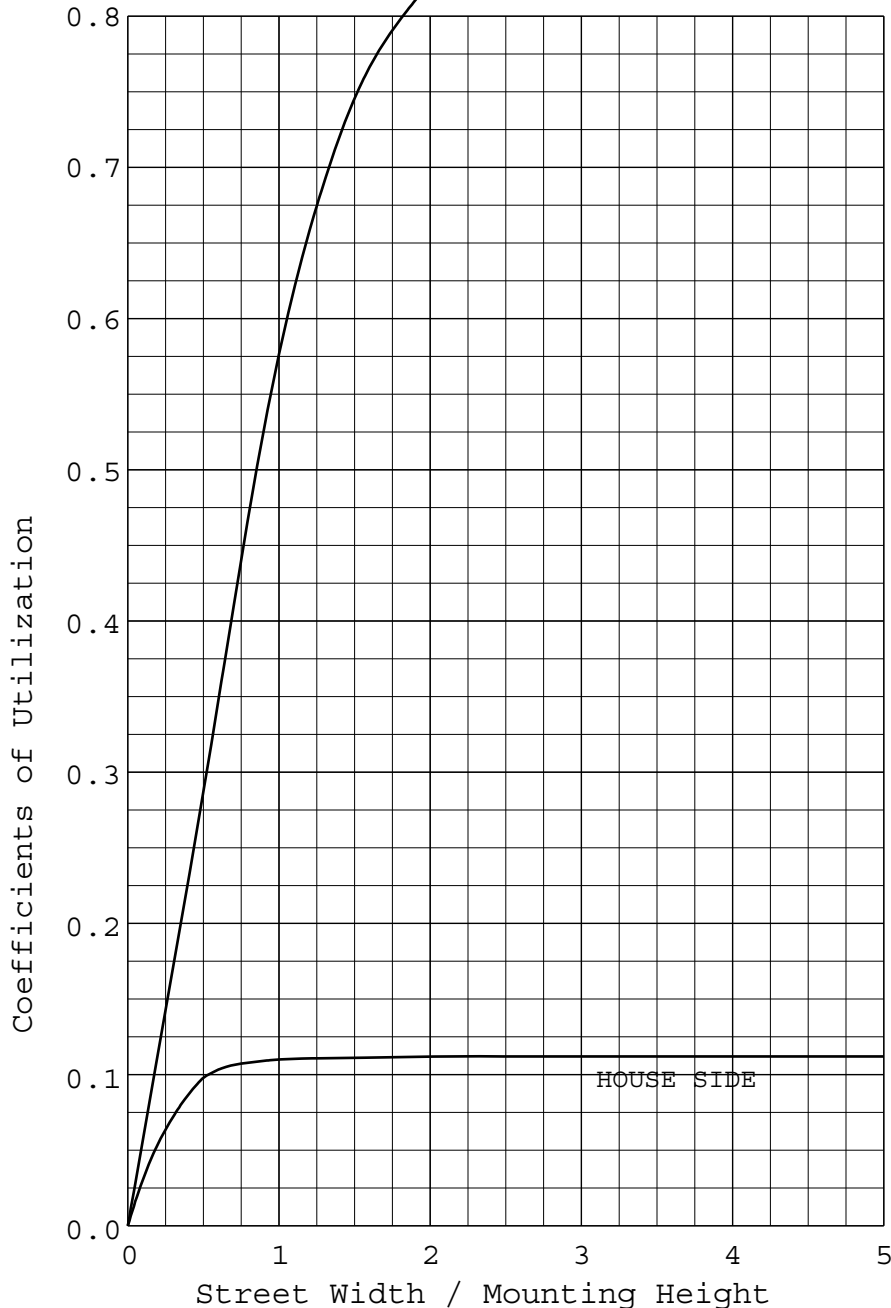
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PREPARED FOR: RAB LIGHTING INC STREET SIDE

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	6425.	88.7
DOWNWARD HOUSE SIDE	816.	11.3
DOWNWARD TOTAL	7241.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	7241.	100.0

TOTAL INPUT WATTS = 58.2  
EFFICACY = 124.4 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.

REPORT NUMBER: PRORATED FROM RAB02588  
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 PREPARED FOR: RAB LIGHTING INC.

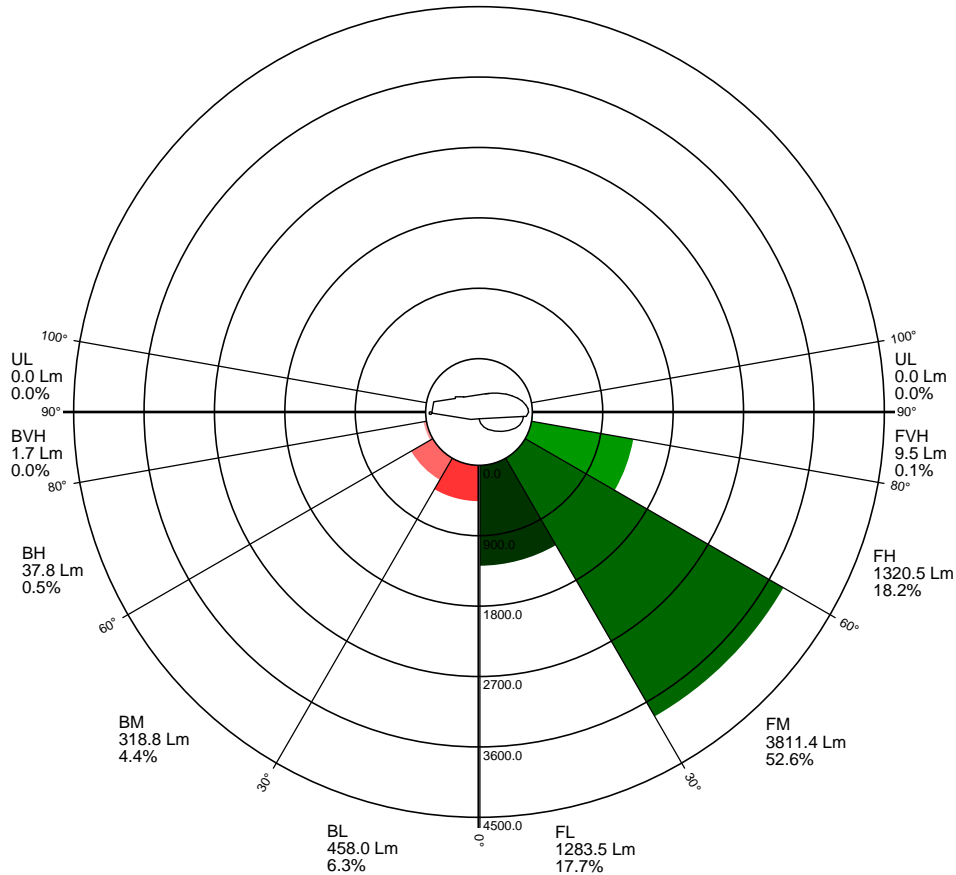
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BUG Rating:				B1 U0 G1		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		6425	88.7			
FL	(0° - 30°)	1283.5	17.7			
FM	(30° - 60°)	3811.4	52.6			
FH	(60° - 80°)	1320.5	18.2			G1
FVH	(80° - 90°)	9.5	0.1			G0
Backward		816	11.3			
BL	(0° - 30°)	458.0	6.3	B1		
BM	(30° - 60°)	318.8	4.4	B1		
BH	(60° - 80°)	37.8	0.5	B0		G0
BVH	(80° - 90°)	1.7	0.0			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		7241	100.0			

### Zonal Lumen Summary

(Linear scale)

UH  
0.0 Lm  
0.0%

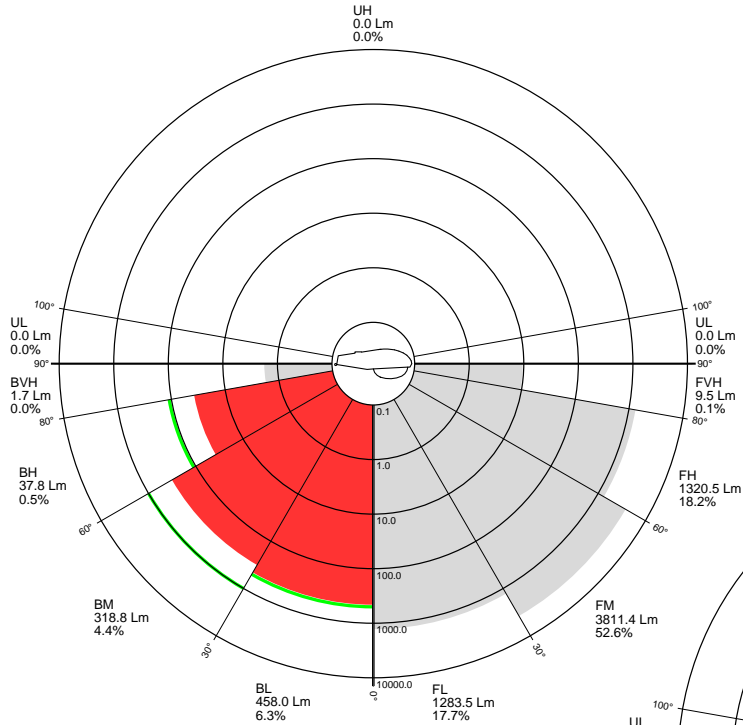


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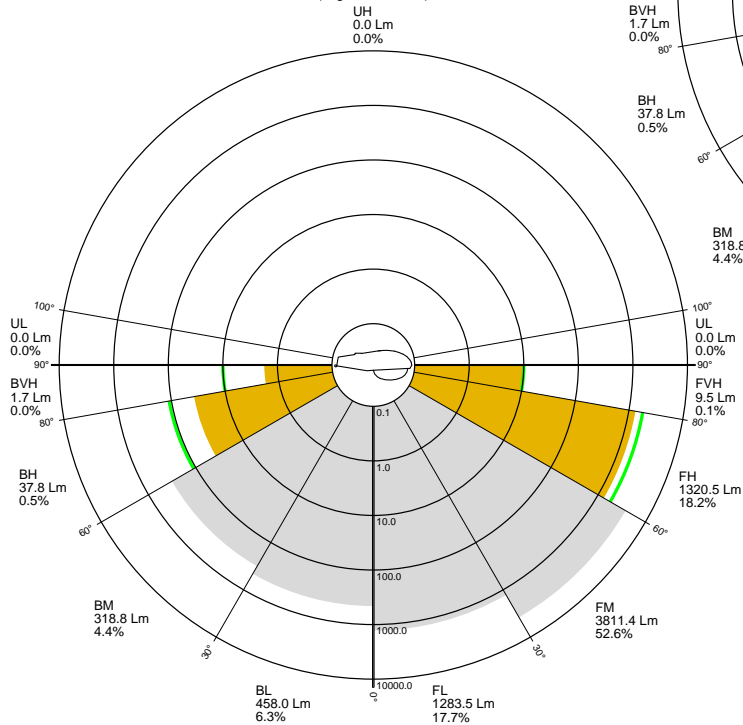
### Backlight Rating Details

(Logarithmic scale)



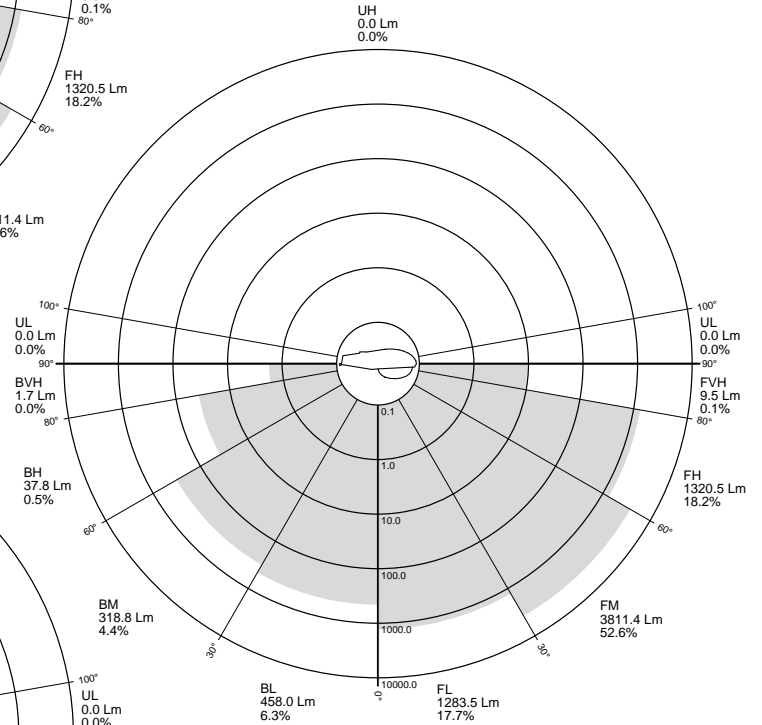
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

	STREET SIDE	LATERAL ANGLE								
		0.0	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.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	1.	1.	2.	3.	4.	6.	7.	9.	8.
	82.5	12.	12.	12.	15.	16.	15.	24.	79.	41. 9.
V	80.0	28.	32.	35.	53.	55.	93.	164.	200.	88. 9.
E	77.5	98.	102.	105.	179.	290.	466.	426.	318.	175. 24.
R	75.0	337.	383.	447.	637.	815.	985.	797.	548.	291. 71.
T	72.5	889.	959.	1040.	1252.	1376.	1480.	1139.	886.	481. 190.
I	70.0	1560.	1608.	1674.	1818.	1884.	1793.	1493.	1227.	698. 346.
C	67.5	2171.	2209.	2251.	2304.	2201.	2120.	1817.	1471.	896. 521.
A	65.0	2663.	2680.	2655.	2565.	2495.	2493.	2126.	1669.	1061. 674.
L	62.5	2932.	2948.	2897.	2859.	2845.	2871.	2347.	1826.	1203. 825.
	60.0	3212.	3236.	3200.	3222.	3265.	3246.	2523.	1949.	1321. 950.
A	57.5	3592.	3607.	3586.	3626.	3692.	3454.	2669.	2048.	1425. 1065.
N	55.0	4019.	4024.	3987.	4042.	4054.	3598.	2790.	2133.	1533. 1161.
G	52.5	4438.	4444.	4402.	4424.	4197.	3696.	2892.	2208.	1644. 1256.
L	50.0	4764.	4768.	4702.	4587.	4351.	3764.	2977.	2270.	1748. 1344.
E	47.5	4901.	4886.	4803.	4757.	4410.	3810.	3042.	2321.	1851. 1426.
	45.0	5038.	5023.	4949.	4793.	4429.	3813.	3076.	2352.	1954. 1504.
	44.0<<	5055.	5032.	4950.	4796.	4429.	3805.	3077.	2363.	1997. 1536.
	42.5	5030.	5021.	4959.	4790.	4414.	3795.	3071.	2393.	2063. 1588.
	40.0	5052.	5054.	4935.	4731.	4355.	3770.	3061.	2467.	2165. 1675.
	37.5	5019.	5018.	4882.	4632.	4295.	3718.	3032.	2539.	2259. 1767.
	35.0	4953.	4941.	4806.	4528.	4200.	3645.	2998.	2611.	2333. 1853.
	30.0	4708.	4693.	4523.	4255.	3944.	3456.	3042.	2728.	2414. 1990.
	25.0	4262.	4236.	4091.	3849.	3600.	3293.	3024.	2768.	2457. 2087.
	20.0	3702.	3692.	3612.	3499.	3342.	3123.	2945.	2730.	2458. 2149.
	15.0	3276.	3252.	3208.	3159.	3098.	2967.	2817.	2623.	2407. 2179.
	10.0	2959.	2967.	2968.	2910.	2849.	2716.	2611.	2472.	2329. 2183.
	5.0	2561.	2547.	2568.	2520.	2494.	2413.	2370.	2307.	2245. 2171.
	0.0	2156.	2156.	2156.	2156.	2156.	2156.	2156.	2156.	2156.
		PLANE OF MAXIMUM CANDELA								
		CONE OF MAXIMUM CANDELA								

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### CANDELA TABULATION

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	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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	8.	8.	7.	7.	6.	6.	4.	3.	2.	2.	2.
	82.5	9.	8.	8.	7.	6.	6.	4.	3.	2.	2.	2.
V	80.0	9.	9.	9.	9.	7.	6.	4.	3.	2.	2.	2.
E	77.5	9.	9.	13.	18.	8.	6.	5.	3.	2.	2.	2.
R	75.0	22.	20.	25.	20.	12.	6.	5.	4.	3.	2.	2.
T	72.5	99.	56.	48.	19.	14.	7.	6.	5.	6.	5.	5.
I	70.0	212.	104.	68.	20.	15.	9.	6.	6.	8.	7.	7.
C	67.5	335.	175.	88.	24.	14.	10.	9.	9.	11.	10.	10.
A	65.0	459.	274.	112.	39.	15.	11.	11.	13.	16.	16.	16.
L	62.5	584.	372.	131.	66.	18.	12.	13.	15.	18.	19.	19.
	60.0	693.	473.	142.	87.	24.	13.	13.	17.	21.	22.	23.
A	57.5	803.	573.	165.	105.	42.	18.	16.	19.	22.	24.	24.
N	55.0	904.	672.	209.	121.	70.	27.	20.	21.	23.	24.	24.
G	52.5	996.	768.	273.	137.	94.	44.	29.	24.	24.	25.	25.
L	50.0	1087.	856.	350.	155.	112.	71.	39.	33.	30.	28.	28.
E	47.5	1173.	934.	425.	165.	128.	97.	61.	42.	42.	41.	41.
	45.0	1256.	1020.	506.	179.	143.	116.	90.	68.	57.	50.	50.
	44.0<<	1287.	1055.	542.	191.	150.	124.	102.	83.	72.	61.	61.
	42.5	1338.	1109.	599.	218.	168.	135.	120.	111.	100.	87.	87.
	40.0	1431.	1202.	708.	296.	193.	162.	156.	157.	155.	145.	146.
	37.5	1526.	1307.	838.	403.	222.	201.	194.	199.	206.	204.	201.
	35.0	1623.	1413.	969.	534.	275.	251.	233.	241.	252.	255.	253.
	30.0	1792.	1609.	1216.	805.	492.	341.	328.	337.	333.	333.	333.
	25.0	1920.	1765.	1435.	1093.	783.	565.	429.	390.	394.	400.	402.
	20.0	2010.	1886.	1622.	1352.	1094.	879.	721.	612.	556.	525.	525.
	15.0	2073.	1978.	1779.	1589.	1395.	1232.	1091.	982.	912.	881.	886.
	10.0	2111.	2049.	1926.	1799.	1683.	1574.	1478.	1413.	1364.	1330.	1342.
	5.0	2134.	2107.	2053.	2000.	1953.	1893.	1843.	1814.	1799.	1762.	1787.
	0.0	2156.	2156.	2156.	2156.	2156.	2156.	2156.	2156.	2156.	2156.	2156.

CONE OF MAXIMUM CANDELA



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### 5-DEGREE ZONAL LUMEN SUMMARY

0- 5	52
5- 10	154
10- 15	251
15- 20	340
20- 25	427
25- 30	517
30- 35	599
35- 40	665
40- 45	715
45- 50	745
50- 55	735
55- 60	671
60- 65	575
65- 70	449
70- 75	259
75- 80	75
80- 85	11
85- 90	1
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	206
0- 20	797
0- 30	1741
0- 40	3006
0- 50	4466
0- 60	5872
0- 70	6896
0- 80	7230
0- 90	7241
0-100	7241
0-110	7241
0-120	7241
0-130	7241
0-140	7241
0-150	7241
0-160	7241
0-170	7241
0-180	7241