

REPORT NUMBER: PRORATED FROM WPLED18Y - DLF2018041 PAGE: 1 OF 7
 ISSUE DATE: 2018-04-22 14:23:34 DATE SAMPLE TESTED: 2018-04-20
 0,0

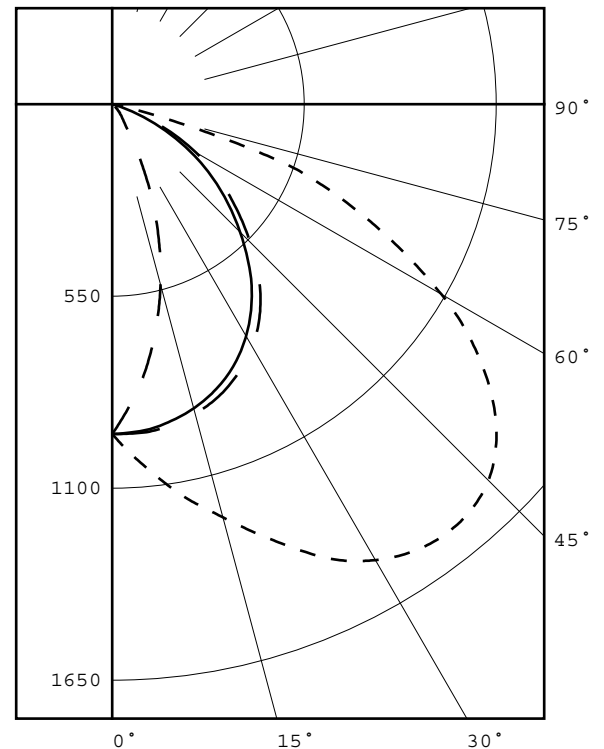
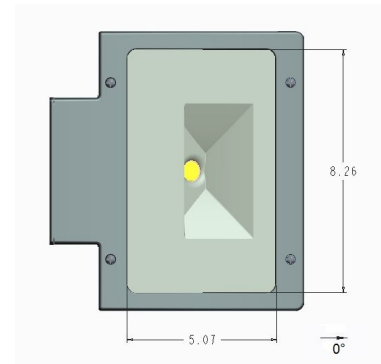
CATALOG NUMBER: WPLED18 (WALLPACK) - ALED18 (AREA LIGHTER)
 LUMINAIRE: CAST FINNED METAL HOUSING, MACHINED METAL HEAT SINK, 1
 CIRCUIT BOARD WITH 1 LED, MOLDED PLASTIC REFLECTOR WITH
 SEMI-SPECULAR FINISH, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED
 METAL FRAME.

LAMP: ONE WHITE MULTI-CHIP LIGHT EMITTING DIODE (LED), TILTED 33-DEGREES
 FROM VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS = 20.5 AT 277.0 VOLTS

(SEE PAGE 2 FOR MORE INFORMATION)

CANDELA DISTRIBUTION					FLUX
	0.0	90.0	180.0	270.0	
0	946	946	946	946	
5	1040	940	825	946	89
15	1226	902	535	919	252
25	1432	825	230	853	380
35	1551	697	54	738	463
45	1524	519	21	559	498
55	1290	334	8	373	467
65	841	144	4	176	343
75	162	6	2	10	126
85	0	1	1	0	4
90	0	0	0	0	
95	0	0	0	0	0
105	0	0	1	0	0
115	0	1	1	0	0
125	0	1	1	0	1
135	0	1	2	1	1
145	0	1	2	1	1
155	0	1	2	1	1
165	1	1	1	1	0
175	1	1	1	1	0
180	1	1	1	1	



LEGEND:
 0-deg: - - - - -
 90-deg: _____
 180-deg: — — — — —
 270-deg: — — — — —

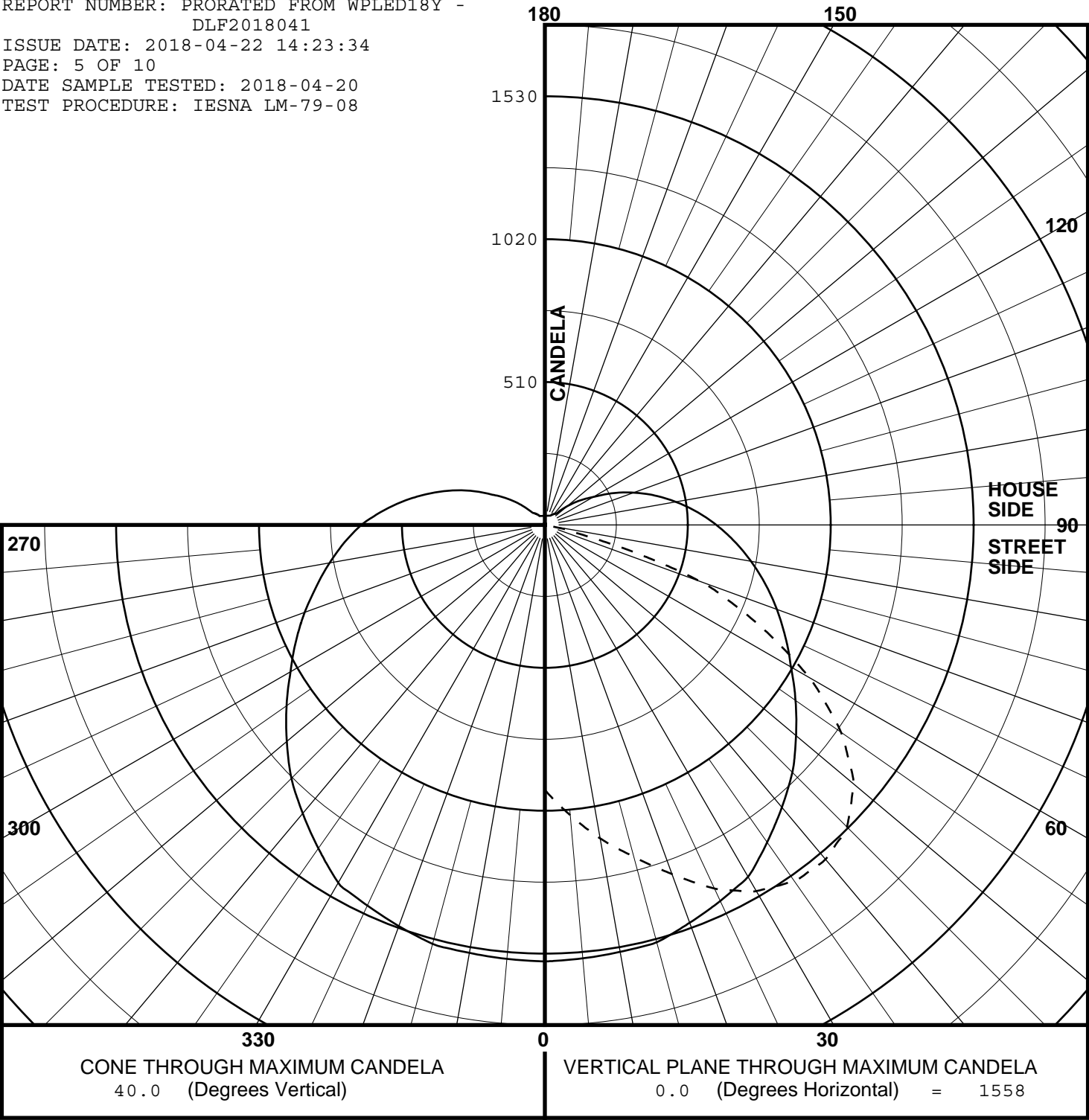
ZONAL LUMEN SUMMARY		
ZONE	LUMENS	%FIXT
0- 30	721	27.5
0- 40	1183	45.1
0- 60	2148	81.9
0- 90	2620	99.9
90-120	1	0.0
90-130	1	0.1
90-150	3	0.1
90-180	4	0.1
0-180	2624	100.0

EFFICACY = 128.0 Lm/W
 CIE TYPE - DIRECT

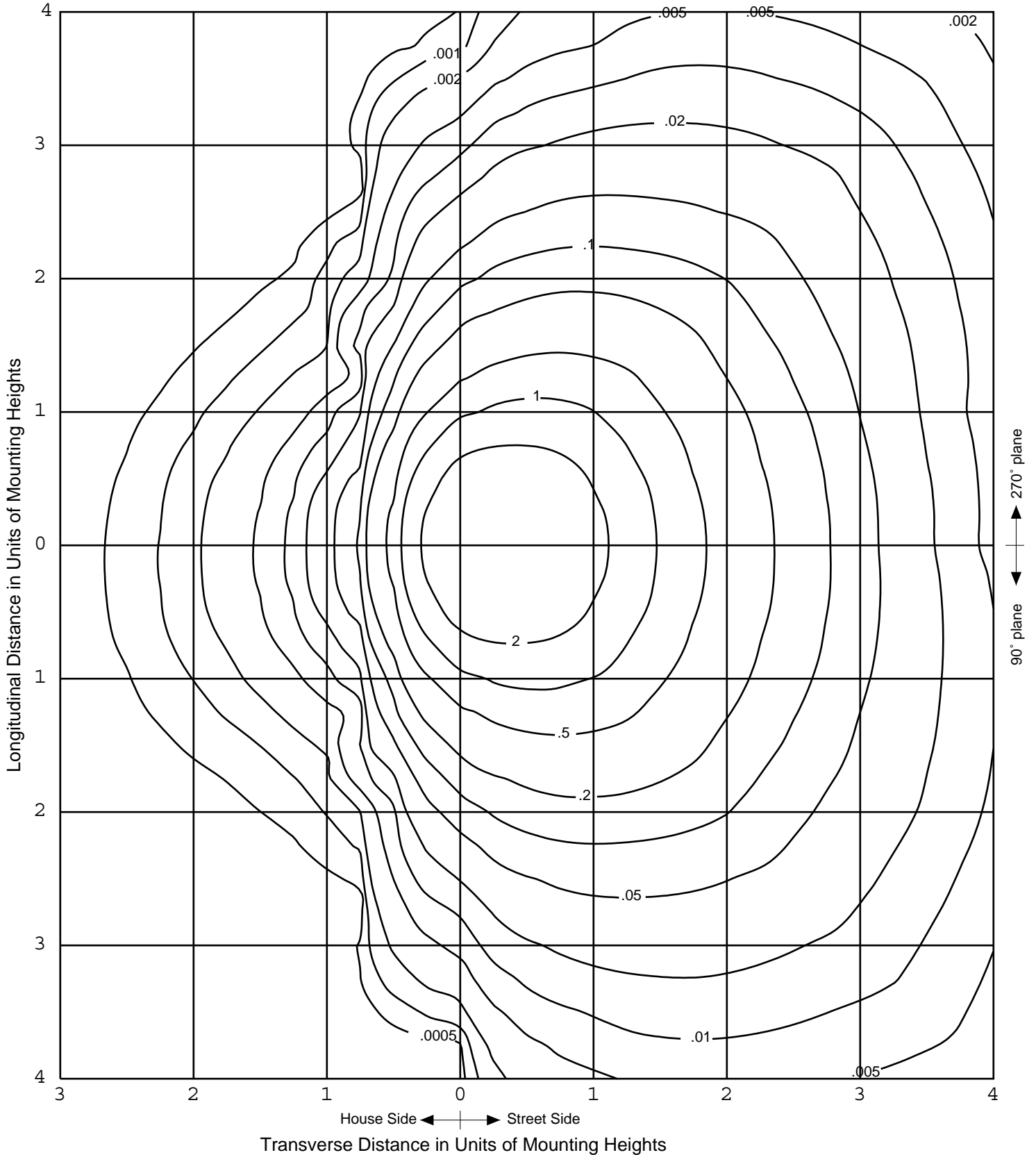
Checked
 Approved

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

REPORT NUMBER: PRORATED FROM WPLED18Y -
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TEST PROCEDURE: IESNA LM-79-08



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 15 foot mounting height.



COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION

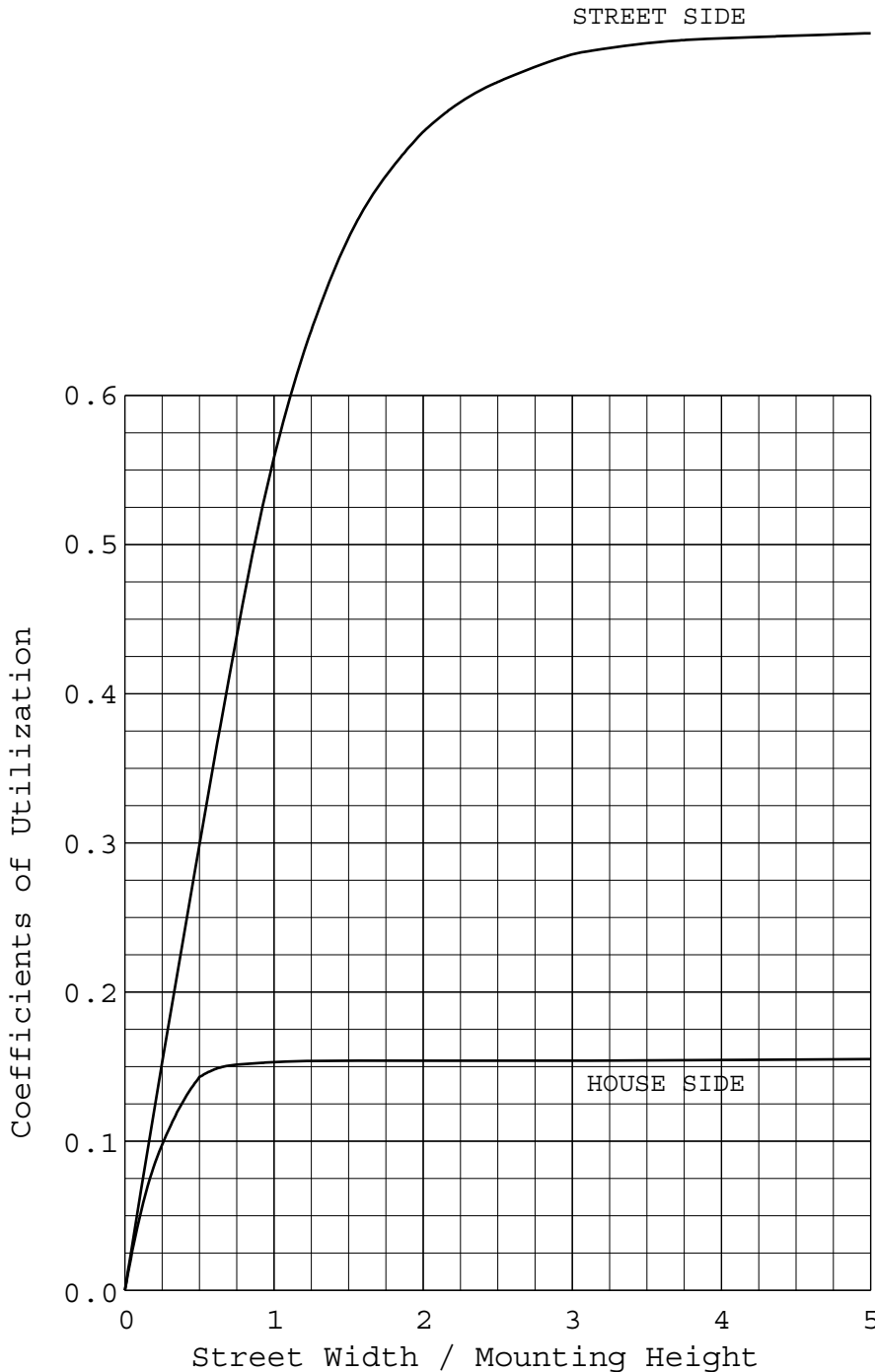
REPORT NUMBER: PRORATED FROM WPLED18Y -
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TEST PROCEDURE: IESNA LM-79-08



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	2213.	84.3
DOWNWARD HOUSE SIDE	407.	15.5
DOWNWARD TOTAL	2620.	99.9
UPWARD STREET SIDE	1.	0.0
UPWARD HOUSE SIDE	3.	0.1
UPWARD TOTAL	4.	0.1
TOTAL FLUX	2624.	100.0

TOTAL INPUT WATTS = 20.5

EFFICACY = 128.0 Lm/W

Checked P. ALBERS

Approved D. WANG-MUNSON

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.

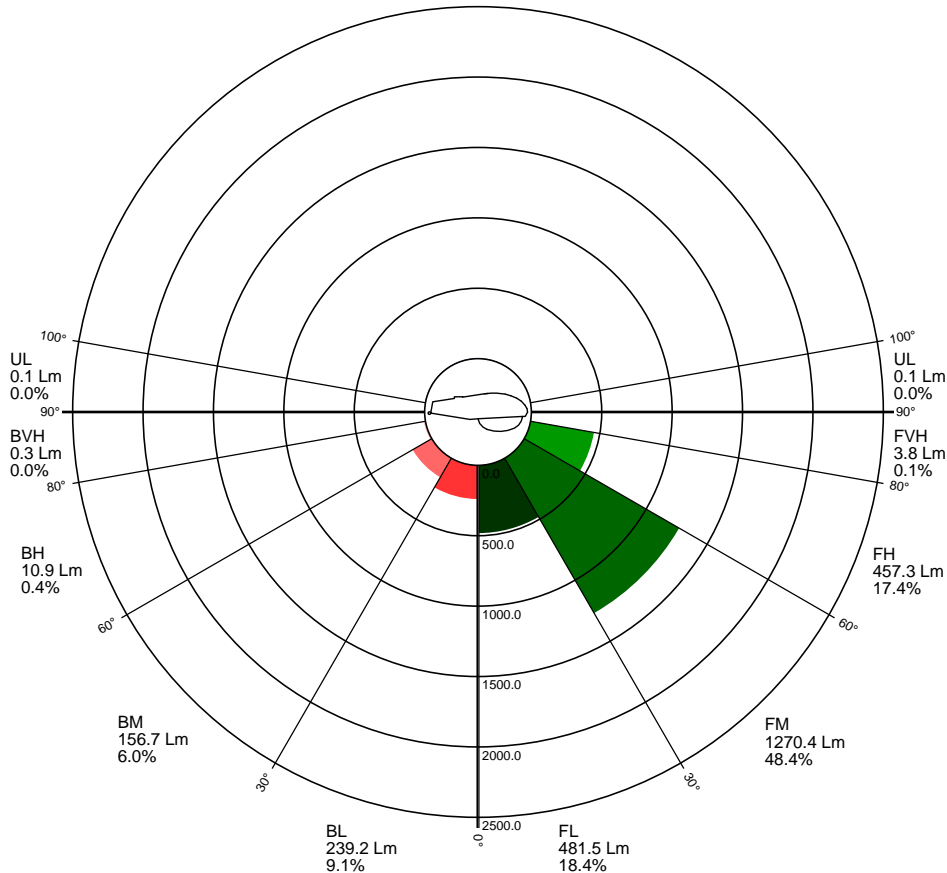
REPORT NUMBER: PRORATED FROM WPLED18Y - DLF20180416001-17a CPAGE: 2 OF 10
 ISSUE DATE: 2018-04-22 14:23:34 DATE SAMPLE TESTED: 20
 PREPARED FOR: RAB LIGHTING INC. RC LIGHTING

BUG Rating:				B1 U1 G0		
Zonal Summary		Lumens	% of Fixture	Zone Ratings		
				B	U	G
Forward		2213	84.3			
FL	(0° - 30°)	481.5	18.4			
FM	(30° - 60°)	1270.4	48.4			
FH	(60° - 80°)	457.3	17.4			G0
FVH	(80° - 90°)	3.8	0.1			G0
Backward		407	15.5			
BL	(0° - 30°)	239.2	9.1	B1		
BM	(30° - 60°)	156.7	6.0	B0		
BH	(60° - 80°)	10.9	0.4	B0		G0
BVH	(80° - 90°)	0.3	0.0			G0
Upward		4	0.1			
UL	(90° - 100°)	0.1	0.0		U1	
UH	(100° - 180°)	3.5	0.1		U1	
Trapped Light		0	0.0			
Total Flux		2624	100.0			

Zonal Lumen Summary

(Linear scale)

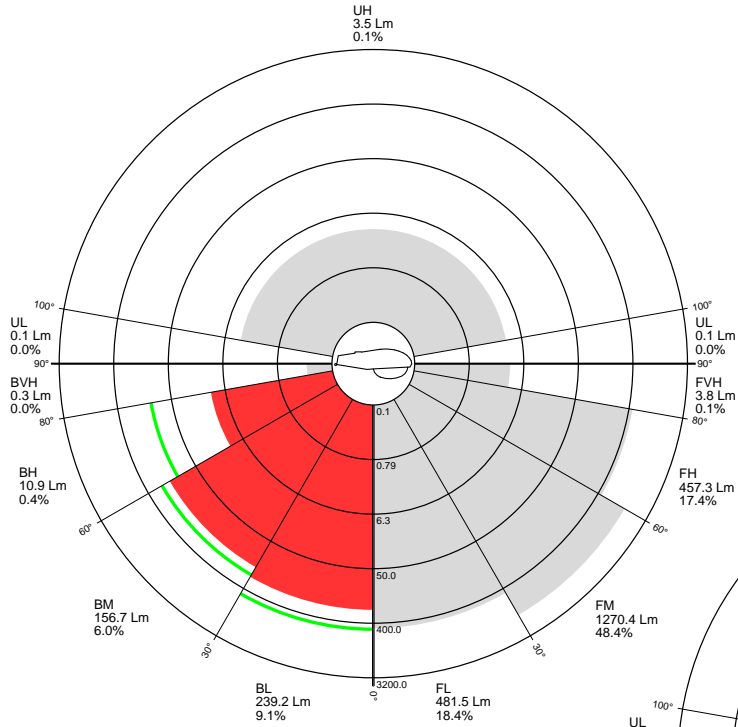
UH
3.5 Lm
0.1%



REPORT NUMBER: PRORATED FROM WPLED18Y - DLF20180416001-17a CPAGE: 3 OF 10
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 PREPARED FOR: RAB LIGHTING INC. RC LIGHTING

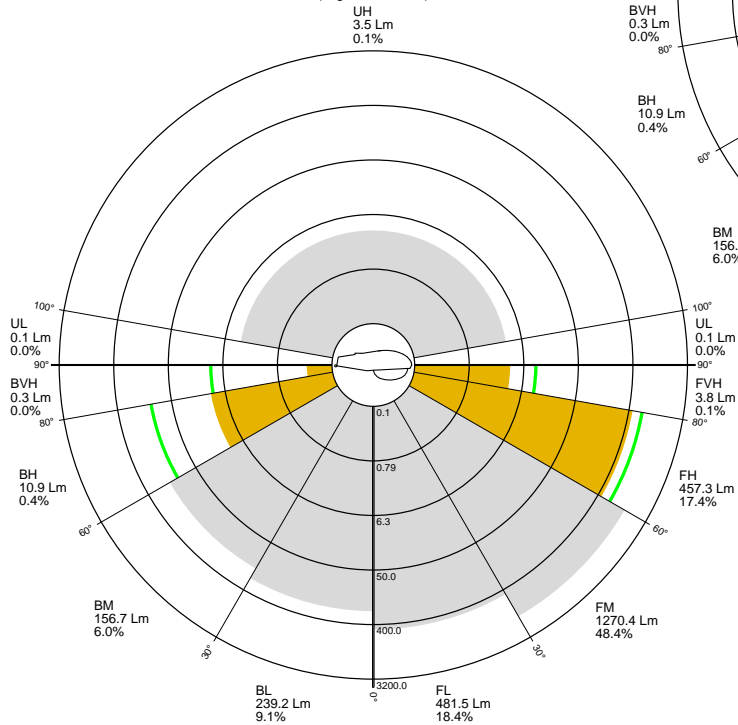
Backlight Rating Details

(Logarithmic scale)



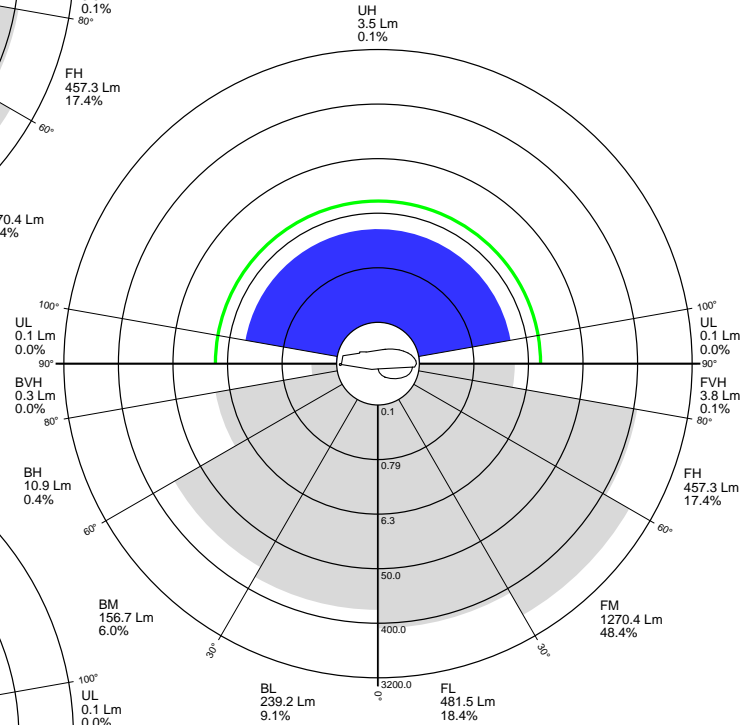
Glare Rating Details

(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.	0.
175.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
165.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
155.0	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.
145.0	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.
135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.
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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	0.	0.	0.	0.	1.	1.	1.	1.	1.	0.
85.0	0.	0.	0.	1.	1.	2.	2.	2.	1.	1.
V 82.5	3.	3.	3.	12.	32.	64.	37.	16.	3.	1.
E 80.0	6.	6.	7.	24.	64.	127.	71.	31.	5.	2.
R 77.5	84.	99.	130.	174.	215.	254.	186.	120.	57.	21.
T 75.0	162.	192.	252.	323.	367.	382.	301.	210.	109.	40.
I 72.5	377.	398.	441.	479.	503.	515.	396.	281.	170.	79.
C 70.0	592.	605.	630.	634.	639.	647.	491.	353.	231.	118.
A 67.5	717.	727.	746.	756.	764.	769.	598.	439.	292.	166.
L 65.0	841.	848.	863.	879.	888.	891.	705.	526.	353.	214.
62.5	966.	972.	984.	990.	984.	967.	776.	589.	408.	263.
A 60.0	1090.	1095.	1104.	1100.	1080.	1043.	847.	653.	463.	313.
N 57.5	1190.	1192.	1196.	1185.	1151.	1095.	895.	698.	505.	359.
G 55.0	1291.	1290.	1288.	1269.	1223.	1147.	943.	744.	548.	406.
L 52.5	1364.	1361.	1356.	1333.	1273.	1175.	976.	782.	594.	452.
E 50.0	1438.	1433.	1424.	1396.	1323.	1203.	1009.	821.	640.	498.
47.5	1481.	1477.	1467.	1431.	1348.	1216.	1032.	856.	687.	544.
45.0	1525.	1520.	1511.	1467.	1373.	1228.	1056.	891.	734.	591.
42.5	1542.	1537.	1527.	1474.	1378.	1239.	1074.	919.	775.	635.
40.0<<	1558.	1553.	1542.	1481.	1384.	1249.	1093.	948.	815.	680.
37.5	1555.	1548.	1535.	1471.	1377.	1255.	1107.	970.	846.	719.
35.0	1552.	1543.	1527.	1460.	1371.	1260.	1121.	993.	877.	757.
30.0	1509.	1499.	1479.	1417.	1339.	1245.	1132.	1025.	925.	820.
25.0	1433.	1422.	1402.	1349.	1285.	1210.	1125.	1040.	956.	869.
20.0	1327.	1320.	1306.	1268.	1222.	1168.	1106.	1042.	974.	905.
15.0	1226.	1221.	1211.	1187.	1158.	1123.	1078.	1031.	981.	929.
10.0	1137.	1134.	1128.	1113.	1093.	1070.	1040.	1010.	979.	944.
5.0	1040.	1039.	1036.	1029.	1020.	1010.	997.	983.	967.	950.
0.0	946.	946.	946.	946.	946.	946.	946.	946.	946.	946.

||
 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	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	165.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	155.0	1.	1.	2.	2.	2.	2.	2.	2.	2.	2.
	145.0	1.	1.	1.	1.	2.	2.	2.	2.	2.	2.
	135.0	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.
	125.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	115.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	105.0	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	1.	0.	0.	0.	0.	1.	1.	1.	1.	1.
V	82.5	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
E	80.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
R	77.5	3.	3.	1.	1.	1.	1.	1.	1.	2.	2.
T	75.0	6.	4.	1.	1.	1.	1.	1.	2.	2.	2.
I	72.5	33.	23.	2.	2.	1.	1.	2.	2.	2.	2.
C	70.0	61.	41.	2.	2.	2.	2.	2.	2.	2.	2.
A	67.5	102.	70.	4.	3.	2.	2.	3.	3.	3.	3.
L	65.0	144.	98.	7.	4.	3.	3.	3.	4.	4.	4.
	62.5	191.	136.	26.	11.	4.	4.	4.	5.	5.	5.
A	60.0	238.	174.	45.	18.	5.	5.	5.	5.	6.	6.
N	57.5	286.	218.	81.	31.	6.	6.	7.	7.	7.	7.
G	55.0	334.	262.	118.	45.	8.	8.	8.	8.	8.	8.
L	52.5	380.	308.	163.	65.	14.	11.	11.	11.	11.	10.
E	50.0	427.	354.	208.	85.	20.	14.	14.	14.	13.	12.
	47.5	473.	401.	257.	124.	45.	19.	19.	19.	18.	17.
	45.0	519.	447.	305.	164.	70.	24.	24.	24.	23.	22.
	42.5	566.	496.	356.	216.	111.	41.	35.	31.	30.	29.
	40.0<<	613.	544.	407.	269.	152.	57.	45.	38.	37.	36.
	37.5	655.	589.	457.	324.	207.	106.	73.	54.	49.	46.
	35.0	697.	634.	508.	379.	261.	156.	102.	70.	61.	56.
	30.0	768.	712.	601.	487.	380.	281.	209.	155.	119.	109.
	25.0	826.	778.	683.	586.	494.	407.	341.	289.	249.	236.
	20.0	870.	832.	755.	677.	602.	532.	476.	431.	396.	385.
	15.0	903.	874.	817.	759.	703.	651.	609.	575.	548.	539.
	10.0	926.	907.	870.	832.	795.	761.	734.	712.	694.	689.
	5.0	941.	931.	913.	895.	877.	861.	847.	837.	828.	826.
	0.0	946.	946.	946.	946.	946.	946.	946.	946.	946.	946.

CONE OF MAXIMUM CANDELA

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CANDELA TABULATION

HOUSE SIDE		LATERAL ANGLE									
		180.0	185.0	195.0	205.0	215.0	225.0	235.0	245.0	255.0	265.0
	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	165.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	155.0	2.	2.	2.	2.	2.	2.	2.	2.	1.	1.
	145.0	2.	2.	2.	2.	2.	2.	2.	1.	1.	1.
	135.0	2.	2.	2.	2.	1.	1.	1.	1.	1.	1.
	125.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	0.
	115.0	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.
	105.0	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.
V	82.5	1.	1.	1.	1.	1.	1.	0.	0.	0.	1.
E	80.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
R	77.5	1.	1.	1.	1.	1.	1.	1.	1.	1.	4.
T	75.0	2.	2.	1.	1.	1.	1.	1.	1.	1.	7.
I	72.5	2.	2.	2.	2.	1.	1.	1.	1.	1.	31.
C	70.0	2.	2.	2.	2.	2.	2.	2.	2.	2.	54.
A	67.5	3.	3.	3.	3.	2.	2.	2.	4.	6.	88.
L	65.0	4.	4.	3.	3.	3.	2.	3.	5.	11.	121.
	62.5	5.	5.	4.	4.	4.	3.	3.	14.	35.	163.
A	60.0	6.	5.	5.	5.	4.	4.	4.	22.	58.	205.
N	57.5	7.	7.	7.	6.	6.	6.	6.	37.	98.	250.
G	55.0	8.	8.	8.	8.	7.	7.	8.	51.	138.	295.
L	52.5	10.	10.	10.	10.	10.	10.	16.	74.	185.	341.
E	50.0	12.	12.	12.	13.	13.	12.	24.	97.	231.	387.
	47.5	16.	17.	17.	18.	18.	18.	52.	140.	280.	435.
	45.0	21.	22.	23.	23.	23.	23.	80.	182.	329.	482.
	42.5	28.	29.	30.	30.	34.	42.	123.	235.	380.	531.
	40.0<<	36.	36.	37.	37.	45.	61.	165.	288.	431.	580.
	37.5	45.	46.	49.	54.	75.	113.	220.	343.	481.	625.
	35.0	54.	57.	62.	71.	106.	166.	276.	398.	532.	669.
	30.0	104.	110.	121.	161.	218.	293.	395.	506.	624.	743.
	25.0	230.	237.	252.	294.	350.	419.	509.	604.	704.	803.
	20.0	380.	386.	399.	436.	484.	542.	615.	692.	772.	852.
	15.0	535.	540.	551.	579.	615.	659.	713.	770.	831.	890.
	10.0	686.	690.	696.	715.	738.	766.	802.	839.	879.	917.
	5.0	825.	826.	830.	838.	850.	864.	881.	899.	918.	937.
	0.0	946.	946.	946.	946.	946.	946.	946.	946.	946.	946.

CONE OF MAXIMUM CANDELA

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 0,0

CANDELA TABULATION

STREET SIDE		LATERAL ANGLE										
		270.0	275.0	285.0	295.0	305.0	315.0	325.0	335.0	345.0	355.0	360.0
V E R T I C A L A N G L E	180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	175.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	165.0	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	155.0	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.
	145.0	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.
	135.0	1.	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.	1.	1.	0.	0.	0.	0.	0.	0.
	85.0	0.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.
	82.5	1.	1.	2.	9.	17.	26.	11.	4.	3.	3.	3.
	80.0	1.	2.	3.	16.	32.	51.	23.	7.	6.	6.	6.
	77.5	5.	18.	42.	98.	153.	209.	164.	124.	90.	86.	84.
	75.0	10.	34.	82.	179.	274.	366.	306.	241.	173.	166.	162.
	72.5	45.	84.	160.	264.	376.	497.	460.	423.	387.	380.	377.
	70.0	81.	133.	239.	348.	478.	628.	613.	604.	601.	595.	592.
	67.5	128.	186.	303.	443.	596.	761.	740.	726.	717.	717.	717.
	65.0	176.	239.	367.	537.	713.	895.	868.	847.	834.	839.	841.
	62.5	227.	295.	430.	612.	795.	979.	971.	964.	957.	963.	966.
	60.0	278.	350.	494.	687.	877.	1064.	1075.	1080.	1080.	1087.	1090.
	57.5	325.	396.	538.	736.	932.	1124.	1156.	1175.	1180.	1187.	1190.
	55.0	373.	443.	582.	786.	986.	1183.	1237.	1269.	1280.	1287.	1291.
	52.5	419.	487.	625.	823.	1019.	1212.	1291.	1338.	1354.	1361.	1364.
	50.0	464.	532.	668.	860.	1051.	1241.	1344.	1406.	1428.	1434.	1438.
	47.5	512.	580.	715.	893.	1071.	1251.	1371.	1444.	1471.	1478.	1481.
	45.0	559.	627.	762.	926.	1092.	1261.	1398.	1482.	1515.	1522.	1525.
	42.5	607.	673.	803.	953.	1109.	1270.	1404.	1491.	1532.	1539.	1542.
	40.0<<	655.	718.	844.	980.	1126.	1280.	1410.	1500.	1549.	1555.	1558.
	37.5	697.	756.	873.	1000.	1137.	1284.	1403.	1489.	1543.	1551.	1555.
35.0	738.	793.	903.	1020.	1149.	1289.	1395.	1478.	1537.	1547.	1552.	
30.0	803.	851.	946.	1047.	1155.	1270.	1360.	1434.	1490.	1503.	1509.	
25.0	853.	894.	974.	1058.	1144.	1230.	1302.	1362.	1411.	1426.	1433.	
20.0	892.	924.	989.	1057.	1121.	1182.	1235.	1278.	1311.	1322.	1327.	
15.0	919.	943.	992.	1042.	1089.	1133.	1166.	1194.	1216.	1223.	1226.	
10.0	937.	953.	986.	1017.	1048.	1077.	1099.	1117.	1130.	1135.	1137.	
5.0	946.	955.	971.	987.	1001.	1013.	1023.	1031.	1037.	1039.	1040.	
0.0	946.	946.	946.	946.	946.	946.	946.	946.	946.	946.	946.	

CONE OF MAXIMUM CANDELA

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5-DEGREE ZONAL LUMEN SUMMARY

0- 5	22
5- 10	66
10- 15	107
15- 20	144
20- 25	177
25- 30	203
30- 35	224
35- 40	239
40- 45	248
45- 50	250
50- 55	242
55- 60	224
60- 65	193
65- 70	149
70- 75	92
75- 80	33
80- 85	4
85- 90	0
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	89
0- 20	341
0- 30	721
0- 40	1183
0- 50	1681
0- 60	2148
0- 70	2490
0- 80	2616
0- 90	2620
0-100	2620
0-110	2620
0-120	2621
0-130	2621
0-140	2622
0-150	2623
0-160	2623
0-170	2624
0-180	2624