

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-W-XX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM W6CR\_Angela-XW\_(V18)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUE DATE] 2025-08-06  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CRDI-xx-L20-827U-L20-827D-xxx-DIM-UNV-W-xx  
[LUMINAIRE] 6 INCH ROUND DIRECT INDIRECT WET LOCATION LED  
[MORE] CYLINDER WITH WIDE DIST  
[LAMPCAT] BL VERO 18  
[LAMP] LED  
[OTHER] Absolute Photometry

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4251
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1770.827
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1770.827
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.177 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.977 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	564.2	N.A.	13.3
FM - Front-Medium (30-60)	426.5	N.A.	10.0
FH - Front-High (60-80)	69.4	N.A.	1.6
FVH - Front-Very High (80-90)	2.6	N.A.	0.1
BL - Back-Low (0-30)	564.2	N.A.	13.3
BM - Back-Medium (30-60)	426.5	N.A.	10.0
BH - Back-High (60-80)	69.4	N.A.	1.6
BVH - Back-Very High (80-90)	2.6	N.A.	0.1
UL - Uplight-Low (90-100)	5.2	N.A.	0.1
UH - Uplight-High (100-180)	2120.3	N.A.	49.9
Total	4250.9	N.A.	100.0
BUG Rating	B2-U5-G0		

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-W-XX\_.IES

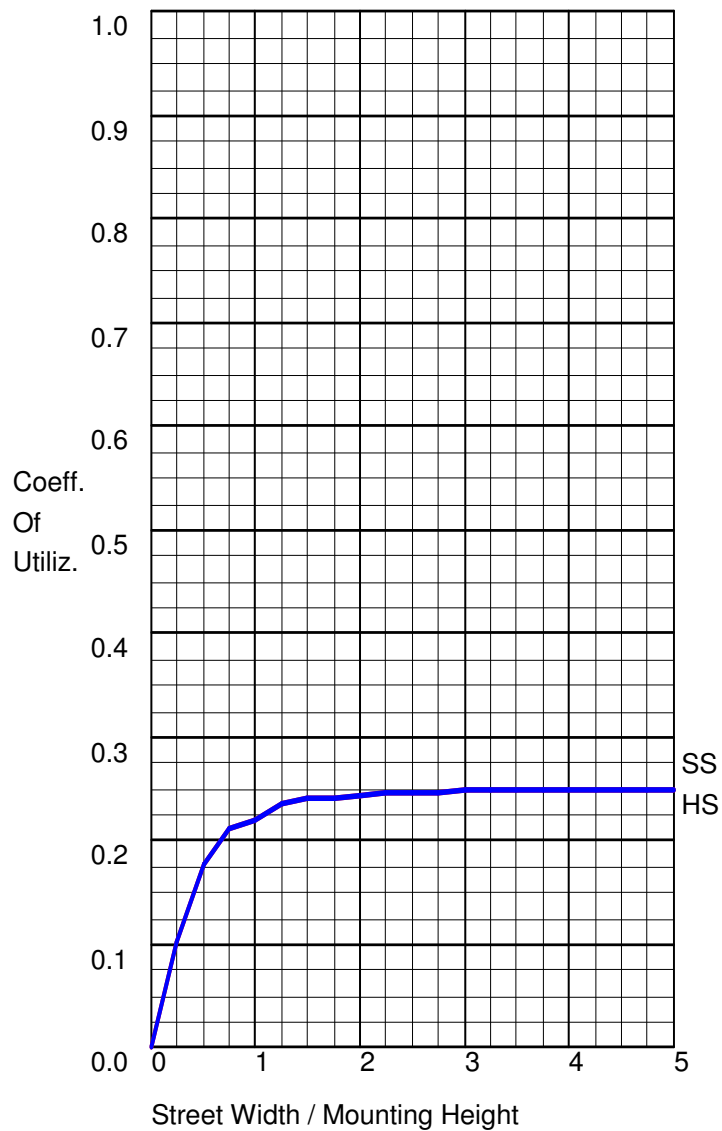
## CANDELA TABULATION

Vert. Angles	Horizontal Angles								
	<u>0</u>	<u>45</u>	<u>90</u>	<u>135</u>	<u>180</u>	<u>225</u>	<u>270</u>	<u>315</u>	<u>360</u>
0	1770.827	1770.827	1770.827	1770.827	1770.827	1770.827	1770.827	1770.827	1770.827
5	1752.582	1751.617	1748.504	1751.617	1752.582	1751.617	1748.504	1751.617	1752.582
10	1643.319	1640.872	1639.298	1640.872	1643.319	1640.872	1639.298	1640.872	1643.319
15	1471.439	1475.560	1474.085	1475.560	1471.439	1475.560	1474.085	1475.560	1471.439
20	1320.196	1322.955	1323.401	1322.955	1320.196	1322.955	1323.401	1322.955	1320.196
25	1214.032	1210.848	1211.479	1210.848	1214.032	1210.848	1211.479	1210.848	1214.032
30	1041.458	1028.254	1030.977	1028.254	1041.458	1028.254	1030.977	1028.254	1041.458
35	625.879	626.262	632.013	626.262	625.879	626.262	632.013	626.262	625.879
40	380.903	385.335	387.923	385.335	380.903	385.335	387.923	385.335	380.903
45	322.272	322.584	321.676	322.584	322.272	322.584	321.676	322.584	322.272
50	268.846	268.931	268.321	268.931	268.846	268.931	268.321	268.931	268.846
55	212.952	212.683	211.683	212.683	212.952	212.683	211.683	212.683	212.952
60	154.420	154.030	153.101	154.030	154.420	154.030	153.101	154.030	154.420
65	103.001	102.718	102.320	102.718	103.001	102.718	102.320	102.718	103.001
70	61.085	61.085	61.077	61.085	61.085	61.085	61.077	61.085	61.085
75	30.230	30.294	30.315	30.294	30.230	30.294	30.315	30.294	30.230
80	10.836	10.942	10.977	10.942	10.836	10.942	10.977	10.942	10.836
85	3.496	3.503	3.475	3.503	3.496	3.503	3.475	3.503	3.496
90	0.922	1.035	1.177	1.035	0.922	1.035	1.177	1.035	0.922
95	3.496	3.503	3.475	3.503	3.496	3.503	3.475	3.503	3.496
100	10.836	10.942	10.977	10.942	10.836	10.942	10.977	10.942	10.836
105	30.230	30.294	30.315	30.294	30.230	30.294	30.315	30.294	30.230
110	61.085	61.085	61.077	61.085	61.085	61.085	61.077	61.085	61.085
115	103.001	102.718	102.320	102.718	103.001	102.718	102.320	102.718	103.001
120	154.420	154.030	153.101	154.030	154.420	154.030	153.101	154.030	154.420
125	212.952	212.683	211.683	212.683	212.952	212.683	211.683	212.683	212.952
130	268.846	268.931	268.321	268.931	268.846	268.931	268.321	268.931	268.846
135	322.272	322.584	321.676	322.584	322.272	322.584	321.676	322.584	322.272
140	380.903	385.335	387.923	385.335	380.903	385.335	387.923	385.335	380.903
145	625.879	626.262	632.013	626.262	625.879	626.262	632.013	626.262	625.879
150	1041.458	1028.254	1030.977	1028.254	1041.458	1028.254	1030.977	1028.254	1041.458
155	1214.032	1210.848	1211.479	1210.848	1214.032	1210.848	1211.479	1210.848	1214.032
160	1320.196	1322.955	1323.401	1322.955	1320.196	1322.955	1323.401	1322.955	1320.196
165	1471.439	1475.560	1474.085	1475.560	1471.439	1475.560	1474.085	1475.560	1471.439
170	1643.319	1640.872	1639.298	1640.872	1643.319	1640.872	1639.298	1640.872	1643.319
175	1752.582	1751.617	1748.504	1751.617	1752.582	1751.617	1748.504	1751.617	1752.582
180	1770.700	1770.700	1770.700	1770.700	1770.700	1770.700	1770.700	1770.700	1770.700

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-W-XX\_.IES

### COEFFICIENTS OF UTILIZATION



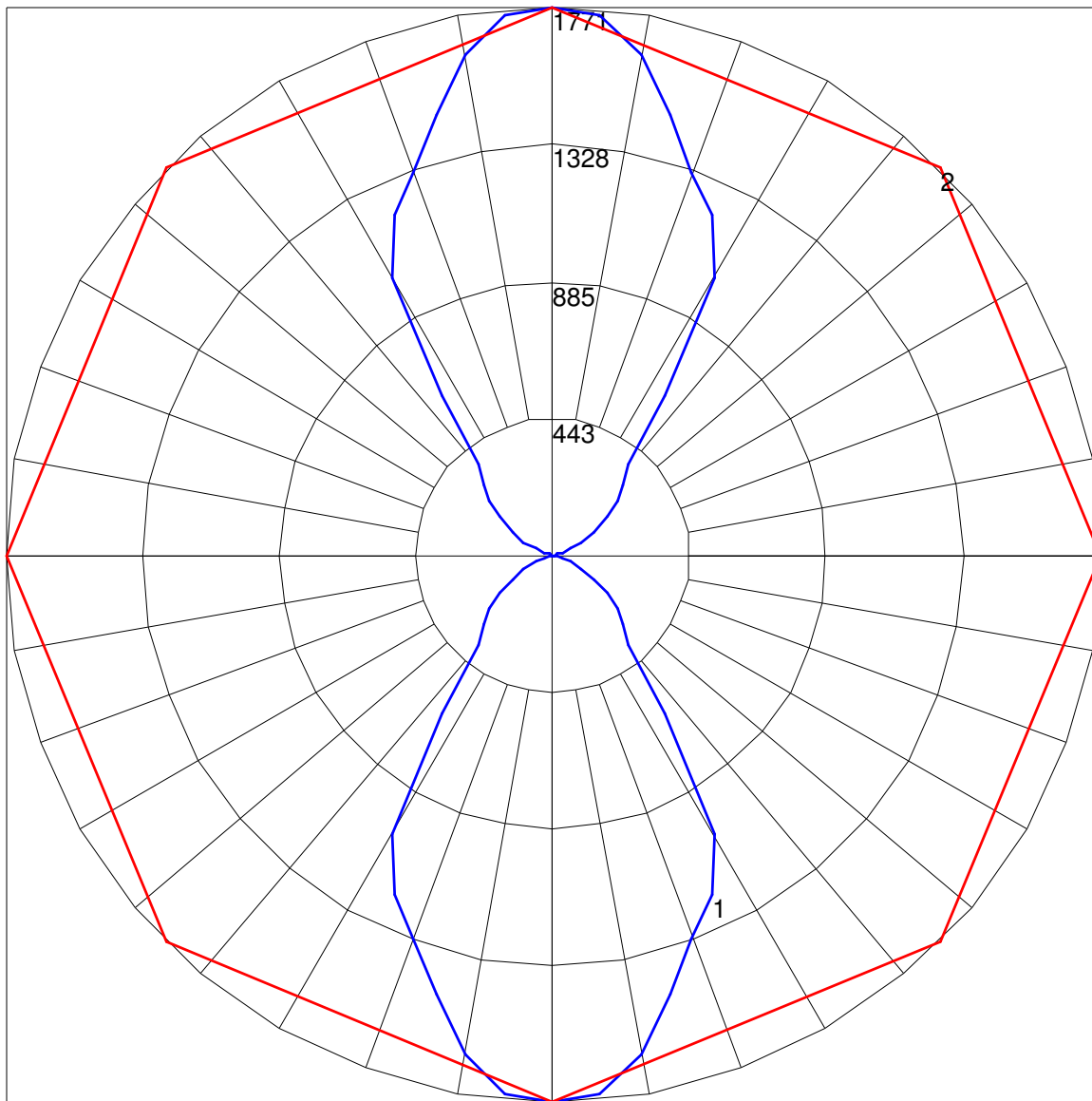
### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1062.7	25.0
Downward House Side	1062.7	25.0
Downward Total	2125.4	50.0
Upward Street Side	1062.7	25.0
Upward House Side	1062.7	25.0
Upward Total	2125.4	50.0
Total Flux	4250.8	100.0

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-827U-L20-827D-XXX-DIM-UNV-W-XX\_.IES

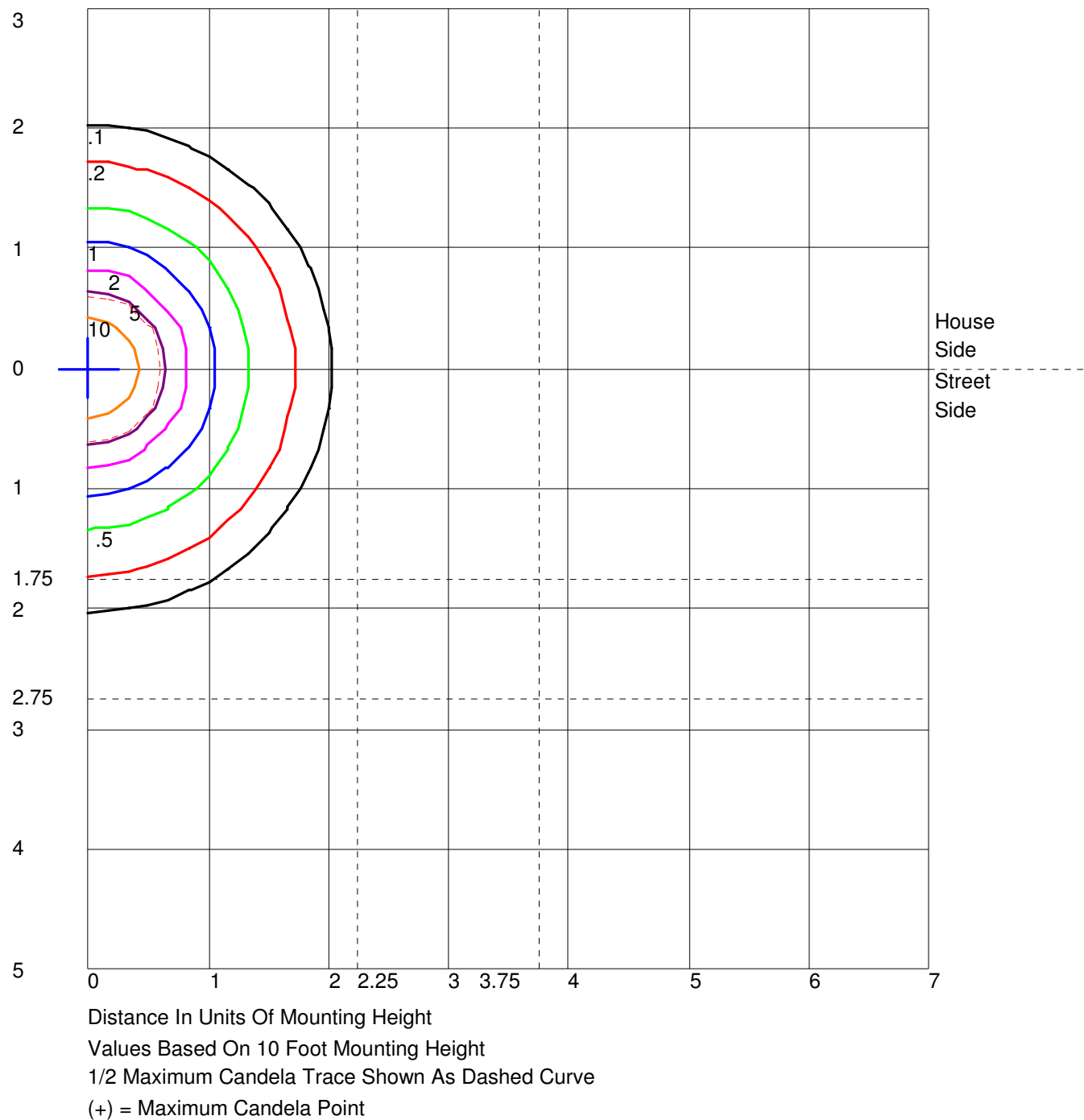
## POLAR GRAPH



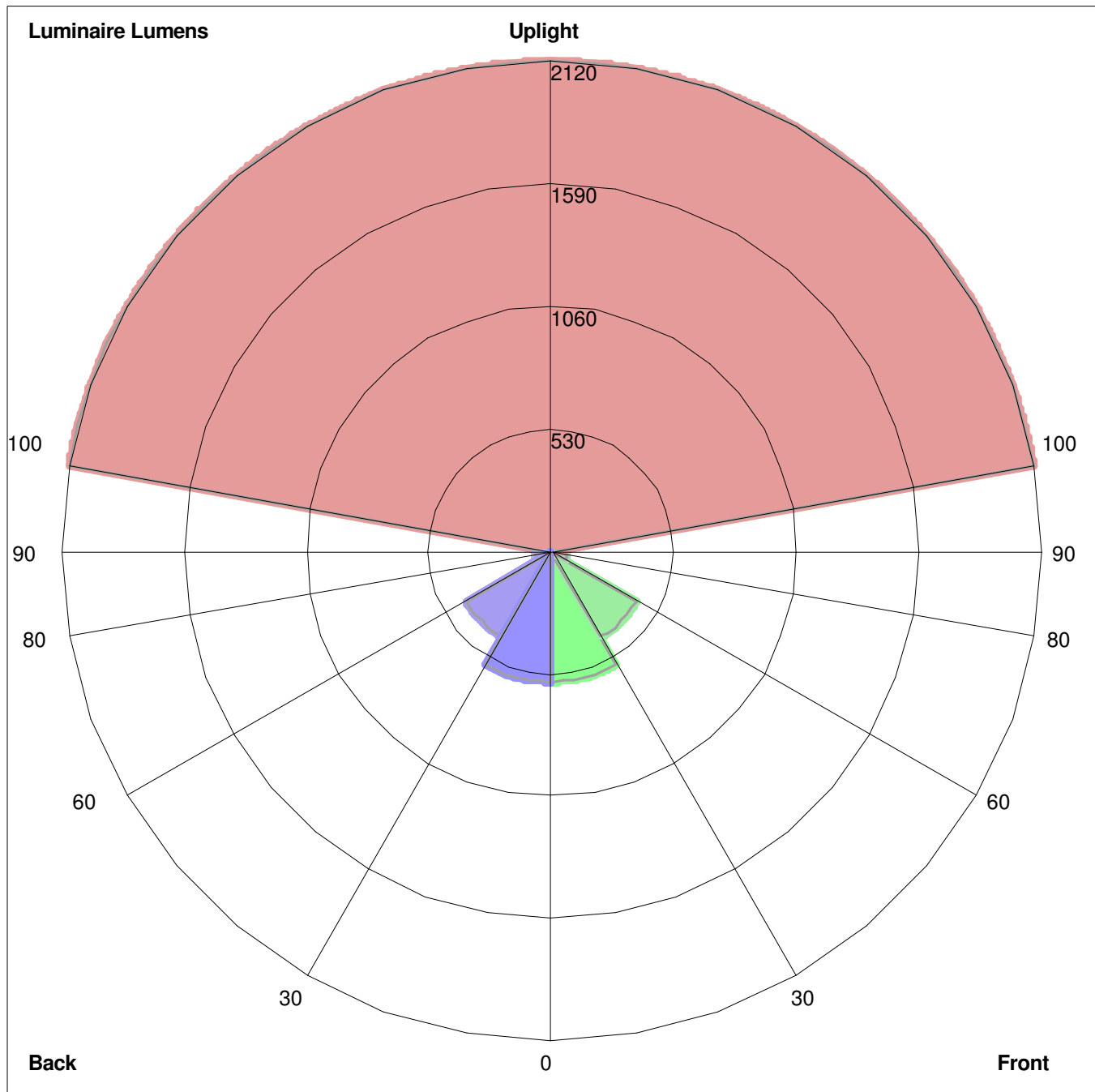
Maximum Candela = 1770.827 Located At Horizontal Angle = 360, Vertical Angle = 0

# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=564.2, Medium=426.5, High=69.4, Very High=2.6  
Back: Low=564.2, Medium=426.5, High=69.4, Very High=2.6  
Uplight: Low=5.2, High=2120.3

BUG Rating : B2-U5-G0