



IES ROAD REPORT

PHOTOMETRIC FILENAME : SCM-LED-20L-SC-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-11273
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 01/13/2020
[TEST DATE] 08/30/19
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] SCM-LED-20L-SC-50
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

| | |
|---|-----------------------------|
| IES Classification | Type VS |
| Longitudinal Classification | Very Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 19989 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 137 |
| Total Luminaire Watts | 145.5 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 6549 |
| Maximum Candela Angle | 0H 2.5V |
| Maximum Candela (<90 Degrees Vertical) | 6549 |
| Maximum Candela Angle (<90 Degrees Vertical) | 0H 2.5V |
| Maximum Candela At 90 Degrees Vertical | 0 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 507 (2.5% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

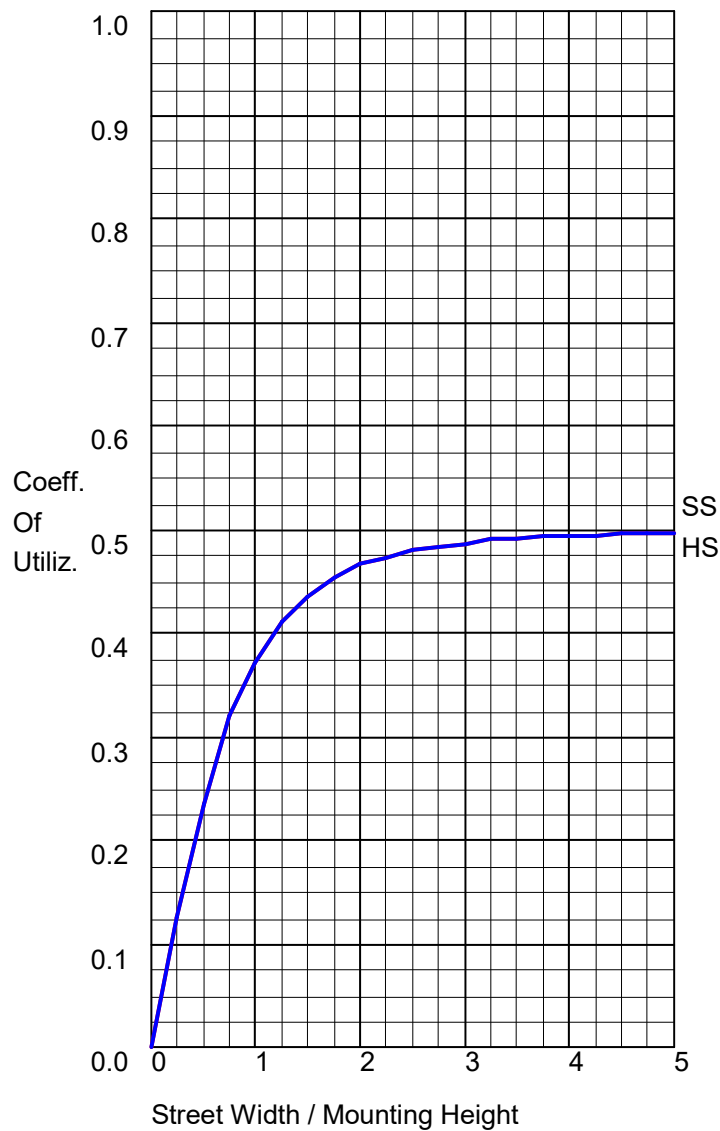
| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 2643.7 | N.A. | 13.2 |
| FM - Front-Medium (30-60) | 5401.0 | N.A. | 27.0 |
| FH - Front-High (60-80) | 1862.7 | N.A. | 9.3 |
| FVH - Front-Very High (80-90) | 87.3 | N.A. | 0.4 |
| BL - Back-Low (0-30) | 2643.7 | N.A. | 13.2 |
| BM - Back-Medium (30-60) | 5401.0 | N.A. | 27.0 |
| BH - Back-High (60-80) | 1862.7 | N.A. | 9.3 |
| BVH - Back-Very High (80-90) | 87.3 | N.A. | 0.4 |
| UL - Uplight-Low (90-100) | 0.0 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 0.0 | N.A. | 0.0 |
| Total | 19989.4 | N.A. | 100.0 |
| BUG Rating | B4-U0-G2 | | |

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CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | |
|-----------------|-------------------|-------------|-------------|-------------|-------------|
| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
| 0.0 | 6494 | 6494 | 6494 | 6494 | 6494 |
| 2.5 | 6549 | 6495 | 6488 | 6502 | 6524 |
| 5.0 | 6548 | 6506 | 6503 | 6506 | 6536 |
| 7.5 | 6547 | 6486 | 6475 | 6497 | 6505 |
| 10.0 | 6510 | 6464 | 6473 | 6490 | 6504 |
| 12.5 | 6509 | 6446 | 6445 | 6455 | 6477 |
| 15.0 | 6451 | 6413 | 6408 | 6433 | 6456 |
| 17.5 | 6438 | 6370 | 6358 | 6390 | 6412 |
| 20.0 | 6353 | 6311 | 6310 | 6311 | 6338 |
| 22.5 | 6313 | 6251 | 6235 | 6256 | 6266 |
| 25.0 | 6223 | 6174 | 6161 | 6181 | 6203 |
| 27.5 | 6127 | 6062 | 6080 | 6081 | 6113 |
| 30.0 | 6013 | 5965 | 5950 | 5958 | 5980 |
| 32.5 | 5880 | 5821 | 5812 | 5827 | 5846 |
| 35.0 | 5721 | 5666 | 5674 | 5680 | 5685 |
| 37.5 | 5542 | 5496 | 5480 | 5507 | 5514 |
| 40.0 | 5353 | 5300 | 5309 | 5324 | 5333 |
| 42.5 | 5148 | 5098 | 5112 | 5117 | 5143 |
| 45.0 | 4933 | 4889 | 4900 | 4908 | 4921 |
| 47.5 | 4707 | 4649 | 4671 | 4674 | 4687 |
| 50.0 | 4456 | 4413 | 4427 | 4426 | 4432 |
| 52.5 | 4203 | 4167 | 4178 | 4168 | 4180 |
| 55.0 | 3907 | 3882 | 3899 | 3881 | 3883 |
| 57.5 | 3629 | 3599 | 3598 | 3599 | 3582 |
| 60.0 | 3307 | 3292 | 3284 | 3283 | 3279 |
| 62.5 | 2974 | 2955 | 2960 | 2958 | 2959 |
| 65.0 | 2611 | 2613 | 2629 | 2622 | 2617 |
| 67.5 | 2248 | 2255 | 2261 | 2265 | 2255 |
| 70.0 | 1778 | 1868 | 1902 | 1870 | 1791 |
| 72.5 | 1345 | 1411 | 1544 | 1392 | 1327 |
| 75.0 | 1020 | 1040 | 1143 | 1031 | 1000 |
| 77.5 | 741 | 758 | 678 | 746 | 723 |
| 80.0 | 487 | 507 | 429 | 504 | 472 |
| 82.5 | 255 | 268 | 248 | 275 | 242 |
| 85.0 | 107 | 105 | 104 | 108 | 110 |
| 87.5 | 37 | 38 | 35 | 35 | 36 |
| 90.0 | 0 | 0 | 0 | 0 | 0 |

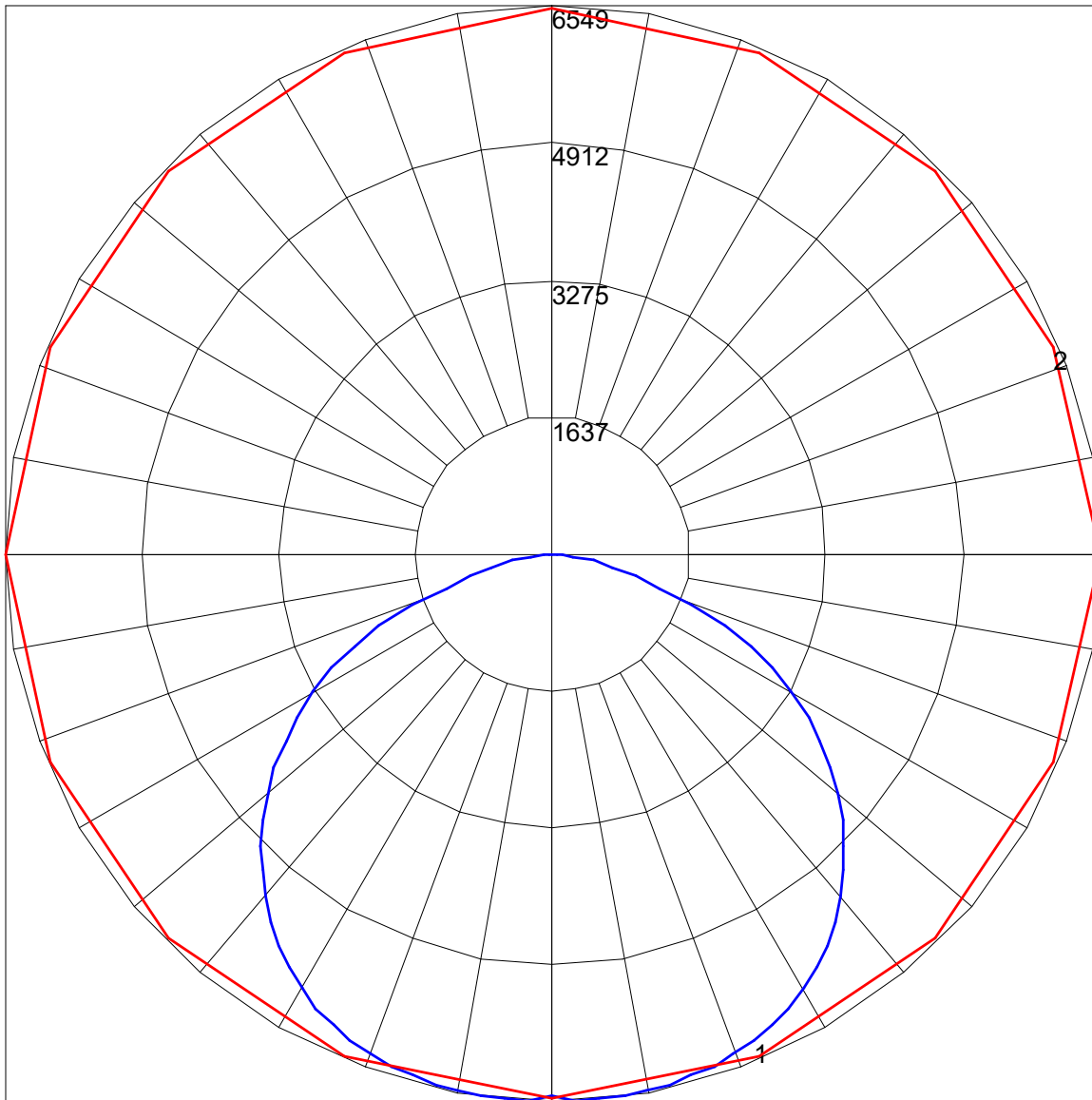
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

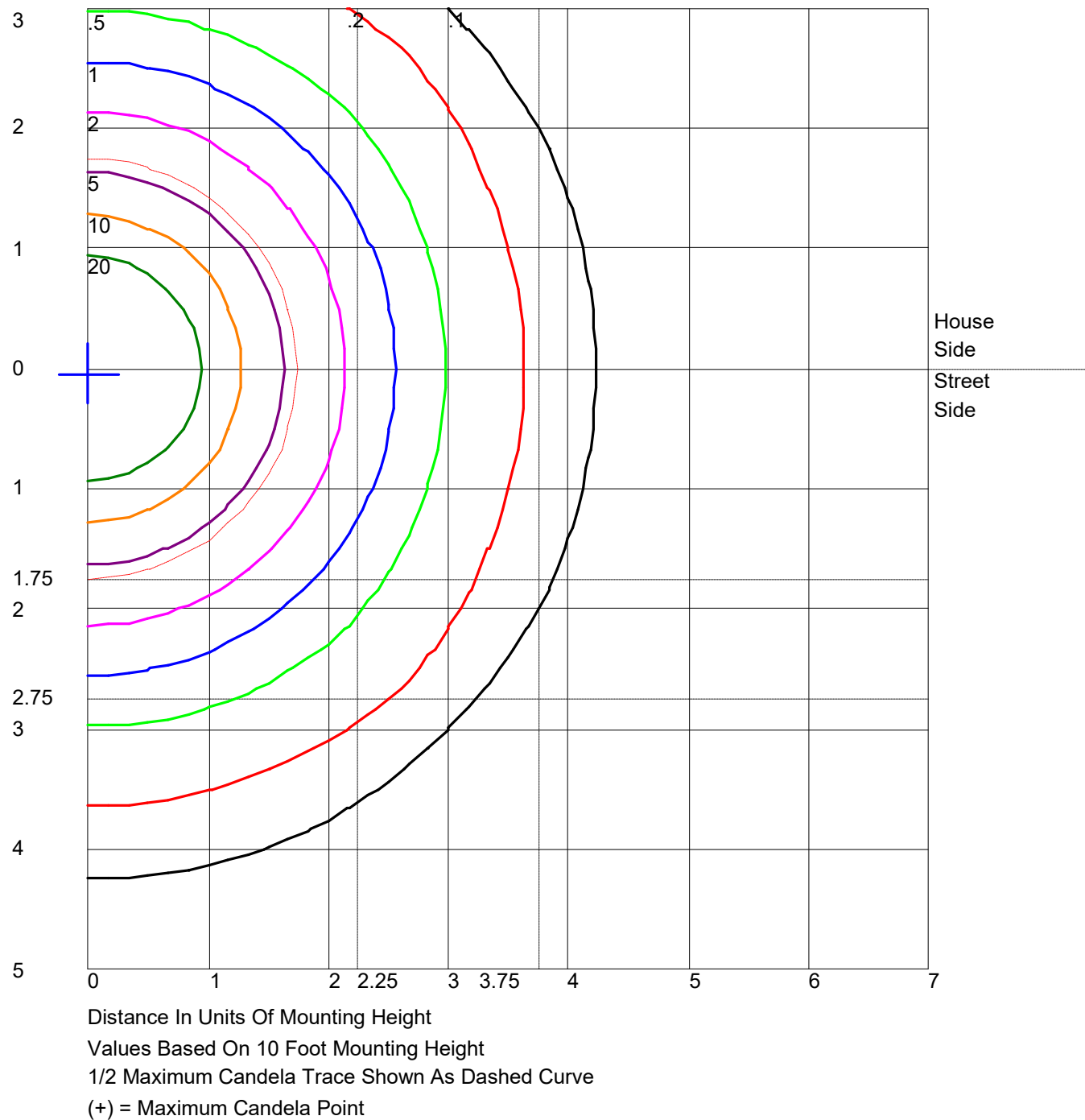
| | Lumens | Percent Of Luminaire |
|----------------------|---------|-------------------------|
| Downward Street Side | 9994.7 | 50.0 |
| Downward House Side | 9994.7 | 50.0 |
| Downward Total | 19989.4 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 19989.4 | 100.0 |

POLAR GRAPH

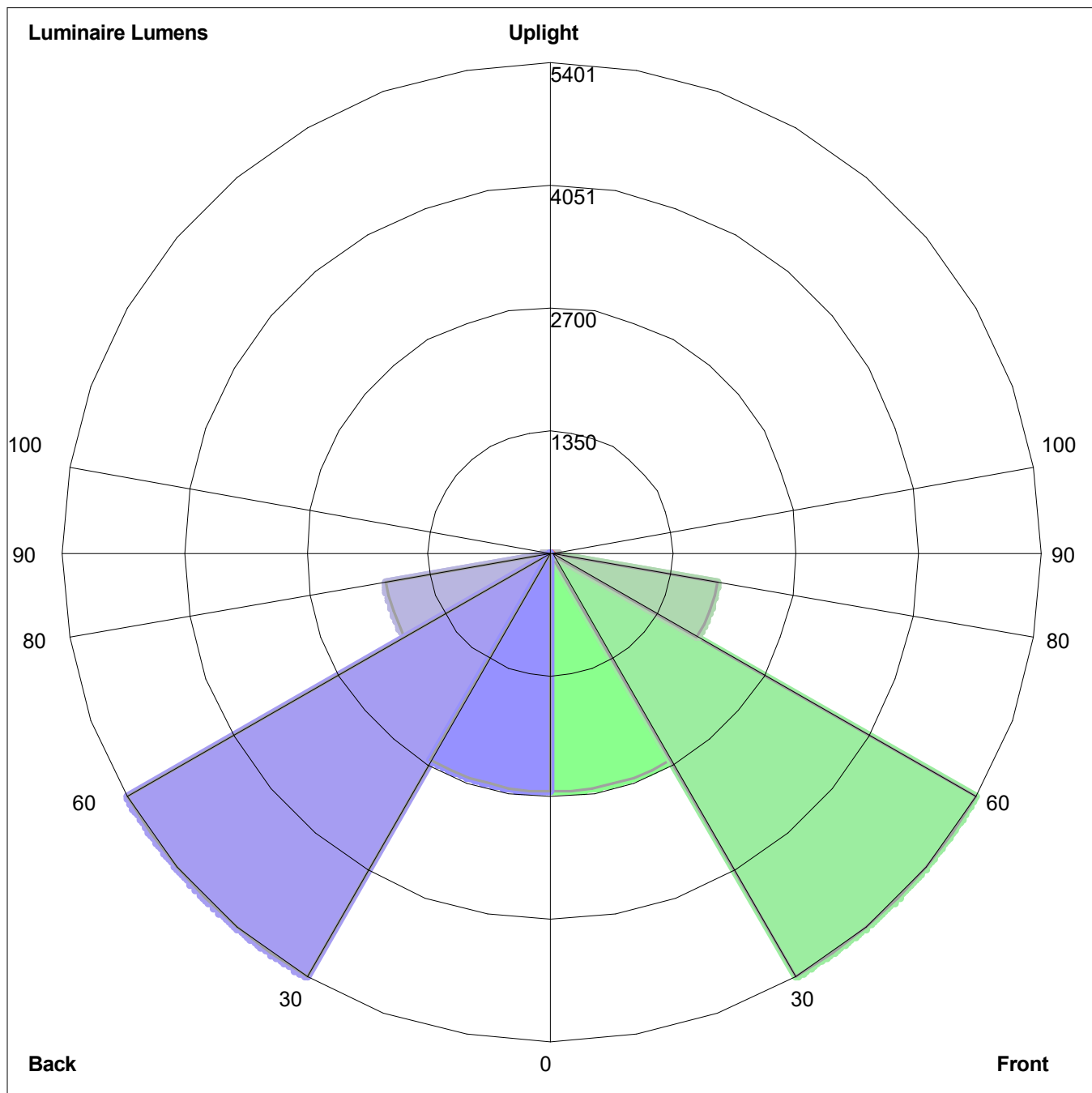


Maximum Candela = 6549 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2643.7, Medium= 5401.0, High=1862.7, Very High=87.3
Back: Low=2643.7, Medium= 5401.0, High=1862.7, Very High=87.3
Uplight: Low=0.0, High=0.0

BUG Rating : B4-U0-G2