

Certified Test Report No. G22071901

Catalog Number: **SCPL230KMVD2CNHFC-P W/ACL16-P**

Luminaire Information: SCPL SERIES 2, 3000K, 80CRI, WHITE WITH 16" LEXALITE ACRYLIC SHADE

Electrical Measurements: 119.890 V, 1.339 A, 136.840 W, 0.853 PF, 500.000 Hz, 11.529% ITHD, 4.174% VTHD.

Notes: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LUMINAIRE

Test Distance (ft): 14.14

Test Standards: LM79-19

Candlepower Summary

H/V	0.00	Lumens
0.00	22910	
5.00	19303	1980
15.00	15616	4427
25.00	11523	5334
35.00	6476	4068
45.00	1685	1305
55.00	654	587
65.00	404	401
75.00	230	243
85.00	87	47
90.00	0	

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0 to 30	10913.98	64.91	64.91
0 to 40	14300.31	85.05	85.05
0 to 60	16047.69	95.44	95.44
0 to 90	16814.45	100.00	100.00
90 to 180	0.00	0.00	0.00
0 to 180	16814.45	100.00	100.00

Total Luminous Flux (lm) = 16814.5

Luminous Efficacy (lm/W) = 122.913

CIE Type - Direct

Peak Luminous Intensity (candela) = 22910.17

Location of peak intensity (degrees) = 0.00 H, 0.00 V

Beam Angle to % Intensity Value (degrees) = 51.52, 51.52

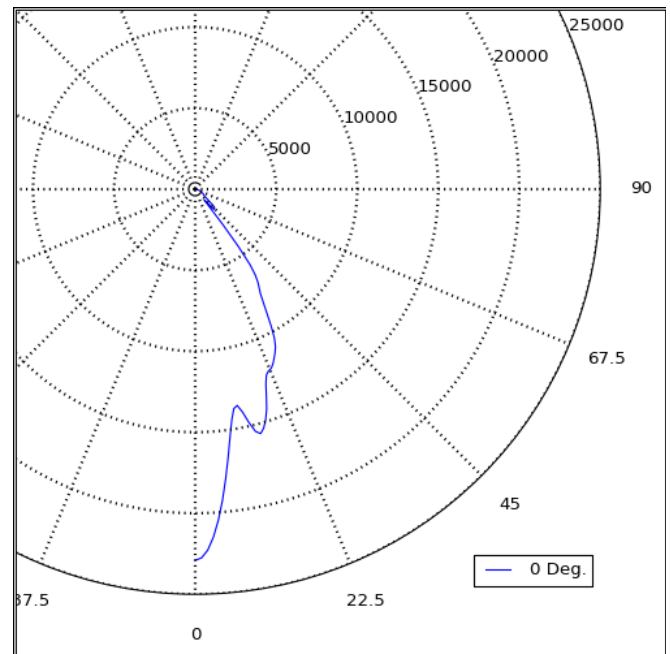
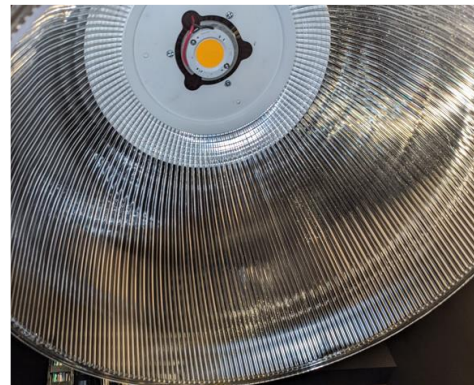
Field Angle to % Intensity Value (degrees) = 77.3, 77.3

Luminous Diameter / Width (in) = 15.96

Luminous Diameter / Length (in) = 15.96

Luminous Diameter / Height (in) = 0

Spacing Criterion (diagonal) = 0.8178



Luminance Summary (cd/m²)

H / V	0.00
45.00	18465
55.00	8836
65.00	7414
75.00	6877
85.00	7704

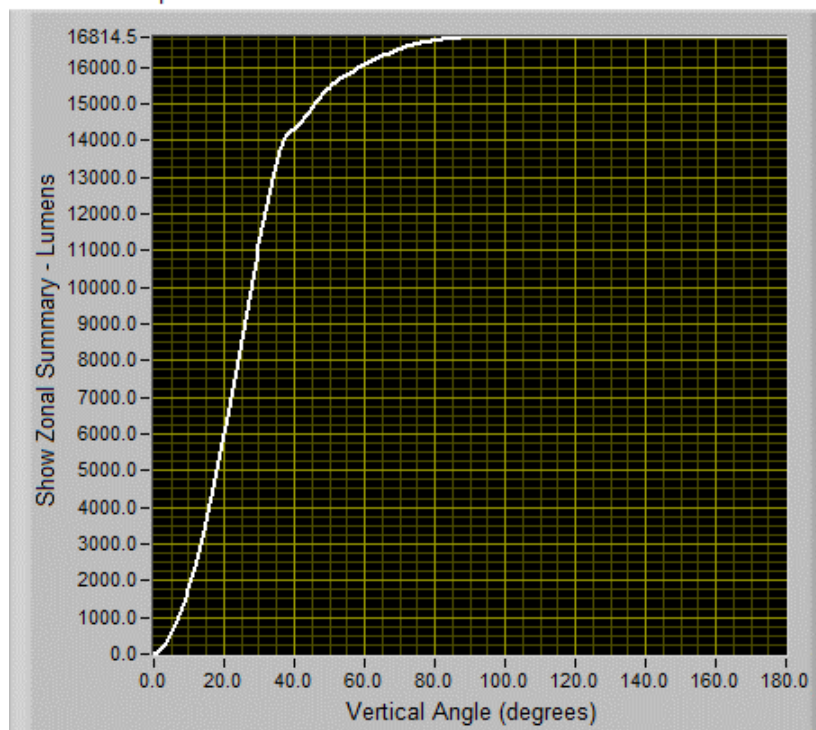
Tested by: JEO

Approved by : WW 7/21/2022

Zonal Lumen Summary

0 to 5	506.7
5 to 10	1135.9
10 to 15	1731.5
15 to 20	2367.6
20 to 25	2526.9
25 to 30	2645.3
30 to 35	2204.9
35 to 40	1181.4
40 to 45	528.2
45 to 50	582.3
50 to 55	346.4
55 to 60	290.5
60 to 65	236.9
65 to 70	186.4
70 to 75	149.5
75 to 80	93.2
80 to 85	57.6
85 to 90	43.2
90 to 95	0.0
95 to 100	0.0
100 to 105	0.0
105 to 110	0.0
110 to 115	0.0
115 to 120	0.0
120 to 125	0.0
125 to 130	0.0
130 to 135	0.0
135 to 140	0.0
140 to 145	0.0
145 to 150	0.0
150 to 155	0.0
155 to 160	0.0
160 to 165	0.0
165 to 170	0.0
170 to 175	0.0
175 to 180	0.0

Zonal Flux Graph



Zonal Lumen Summary

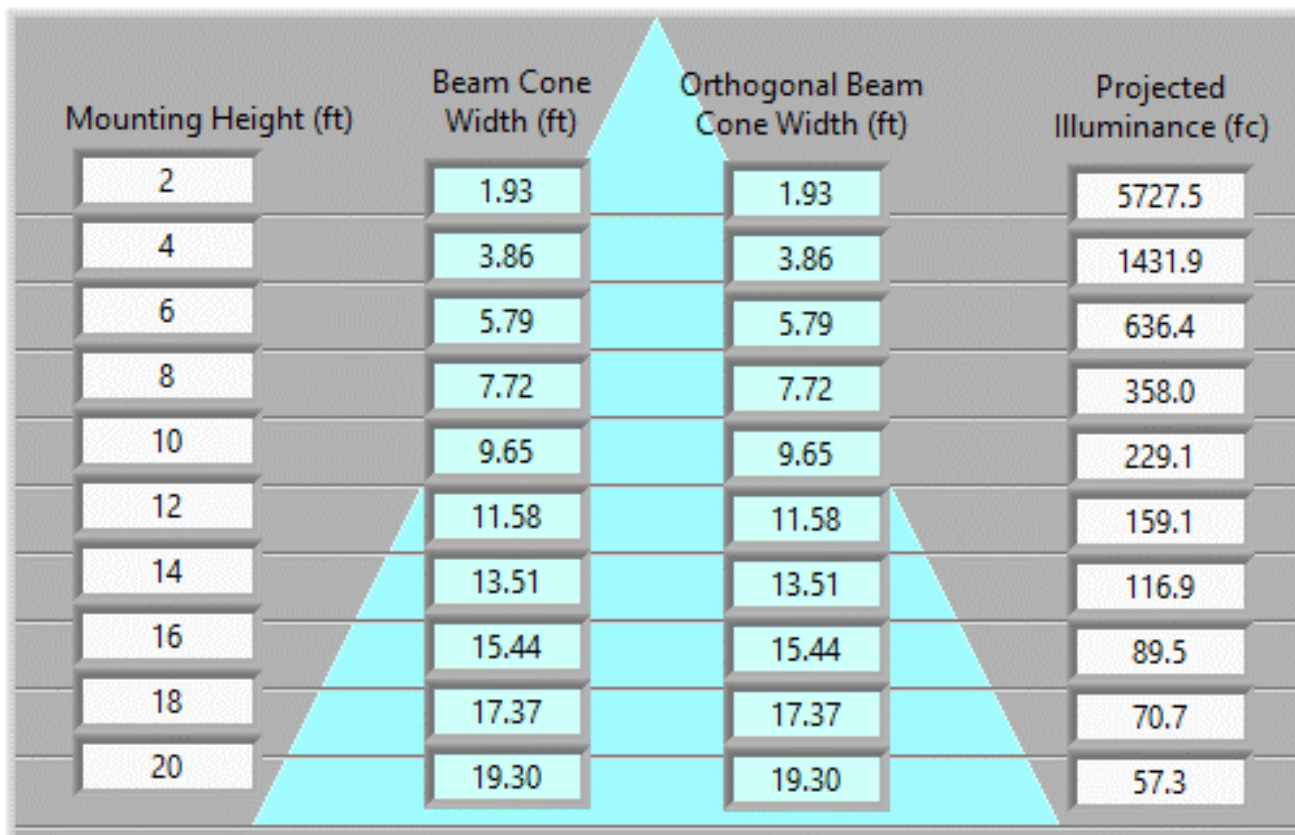
0 to 10	1642.7
0 to 20	5741.7
0 to 30	10914.0
0 to 40	14300.3
0 to 50	15410.8
0 to 60	16047.7
0 to 70	16471.0
0 to 80	16713.7
0 to 90	16814.5
0 to 100	16814.5
0 to 110	16814.5
0 to 120	16814.5
0 to 130	16814.5
0 to 140	16814.5
0 to 150	16814.5
0 to 160	16814.5
0 to 170	16814.5
0 to 180	16814.5

Coefficients of Utilization

Table of Coefficients of Utilization

Calculated using the zonal cavity method

RC	80	80	80	80	70	70	70	70	50	50	50	50	30	30	30	30	10	10	10	10	0
RW	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	70	50	30	0	0
RF	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00
1	1.13	1.09	1.07	1.03	1.10	1.07	1.05	1.01	1.05	1.03	1.01	0.98	1.01	0.99	0.98	0.96	0.97	0.96	0.95	0.93	0.92
2	1.06	1.01	0.96	0.91	1.04	0.99	0.95	0.90	1.00	0.96	0.92	0.88	0.96	0.93	0.90	0.86	0.93	0.90	0.88	0.85	0.84
3	1.00	0.93	0.88	0.81	0.98	0.92	0.87	0.81	0.94	0.89	0.85	0.80	0.91	0.87	0.83	0.79	0.88	0.84	0.81	0.78	0.77
4	0.95	0.86	0.80	0.74	0.93	0.85	0.80	0.73	0.89	0.83	0.78	0.73	0.86	0.81	0.77	0.72	0.83	0.79	0.76	0.71	0.71
5	0.90	0.81	0.74	0.68	0.88	0.80	0.74	0.67	0.85	0.78	0.72	0.67	0.82	0.76	0.71	0.66	0.79	0.74	0.70	0.66	0.66
6	0.85	0.75	0.69	0.62	0.83	0.74	0.68	0.62	0.80	0.73	0.67	0.62	0.78	0.71	0.67	0.61	0.76	0.70	0.66	0.61	0.61
7	0.80	0.70	0.64	0.58	0.79	0.70	0.64	0.58	0.76	0.68	0.63	0.57	0.74	0.67	0.62	0.57	0.72	0.66	0.62	0.57	0.57
8	0.76	0.66	0.60	0.54	0.75	0.66	0.59	0.54	0.73	0.64	0.59	0.53	0.71	0.63	0.58	0.53	0.69	0.62	0.58	0.53	0.53
9	0.73	0.62	0.56	0.50	0.71	0.62	0.56	0.50	0.69	0.61	0.55	0.50	0.67	0.60	0.55	0.50	0.66	0.59	0.54	0.50	0.50
10	0.69	0.59	0.53	0.47	0.68	0.58	0.52	0.47	0.66	0.58	0.52	0.47	0.64	0.57	0.52	0.47	0.63	0.56	0.51	0.47	0.47



Candela Distribution (cd)	
---------------------------	--

H/V	0.0
0.0	22910
1.0	22756
2.0	22288
3.0	21507
4.0	20487
5.0	19303
6.0	17991
7.0	16692
8.0	15456
9.0	14433
10.0	13748
11.0	13596
12.0	14064
13.0	14799
14.0	15409
15.0	15616
16.0	15343
17.0	14882
18.0	14277
19.0	13496
20.0	12766
21.0	12275
22.0	12095
23.0	12012
24.0	11805
25.0	11523
26.0	11240
27.0	10916
28.0	10421
29.0	9690
30.0	8859
31.0	8128
32.0	7600
33.0	7254
34.0	6920
35.0	6476

36.0 5766
37.0 4413
38.0 2770
39.0 1406
40.0 876
41.0 1010
42.0 1398
43.0 1686
44.0 171
45.0 1685.3
46.0 1657.2
47.0 1607.7
48.0 1417.6
49.0 1183.0
50.0 1043.5
51.0 916.5
52.0 803.0
53.0 736.1
54.0 689.9
55.0 654.1
56.0 639.6
57.0 636.6
58.0 634.5
59.0 617.1
60.0 577.4
61.0 540.0
62.0 506.7
63.0 468.9
64.0 433.9
65.0 404.4
66.0 385.9
67.0 374.7
68.0 362.3
69.0 348.9
70.0 335.1
71.0 319.9
72.0 300.3
73.0 276.4

74.0	251.8
75.0	229.7
76.0	207.9
77.0	182.4
78.0	158.4
79.0	142.3
80.0	131.8
81.0	121.4
82.0	109.9
83.0	98.7
84.0	90.8
85.0	86.7
86.0	84.3
87.0	87.1
88.0	94.2
89.0	85.3
90.0	00.00