

Certified Test Report No. G22052401

Catalog Number: **SCPL430KMVD2CNHFC-P W/ACL16-P**

Luminaire Information: SCPL SERIES 4, 3000K, 80CRI, WHITE WITH 16" LEXALITE ACRYLIC SHADE

Electrical Measurements: 120.000 V, 1.422 A, 169.970 W, 0.996 PF, 60.000 Hz, 4.496% ITHD, 0.232% 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	0.0	Lumens
0.0	31968	
5.0	26738	2743
15.0	21296	6037
25.0	15496	7173
35.0	7896	4960
45.0	1885	1460
55.0	674	605
65.0	381	378
75.0	154	163
85.0	47	35
90.0	34	

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0 to 30	14634.08	67.16	67.16
0 to 40	18879.75	86.65	86.65
0 to 60	20856.56	95.72	95.72
0 to 90	21469.28	98.54	98.54
90 to 180	319.17	1.46	1.46
0 to 180	21788.46	100.00	100.00

Total Luminous Flux (lm) = 21788.5

Luminous Efficacy (lm/W) = 128.167

CIE Type - Direct

Peak Luminous Intensity (candela) = 31968

Vertical Angle of Peak (degrees) = 0

Horizontal Angle of Peak (degrees) = 0

Beam Angle to % Intensity Value (degrees) = 47.28, 47.28

Field Angle to % Intensity Value (degrees) = 75.88, 75.88

Luminous Diameter / Width (in) = 15.96

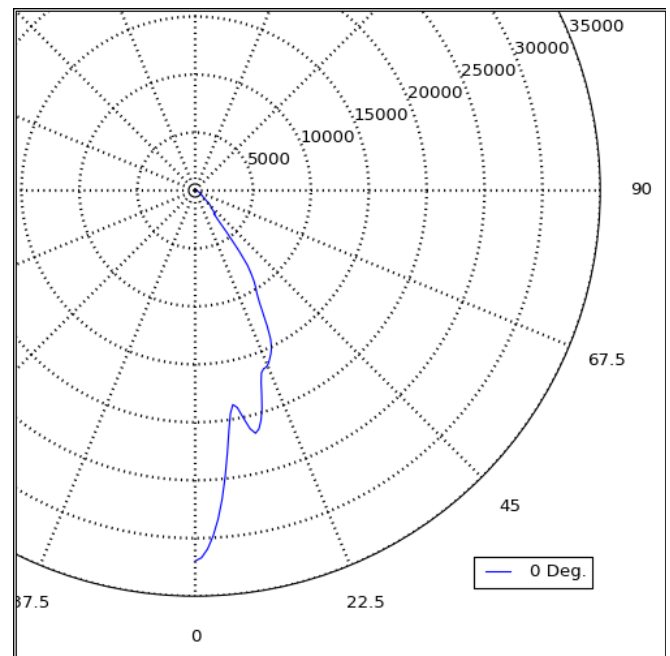
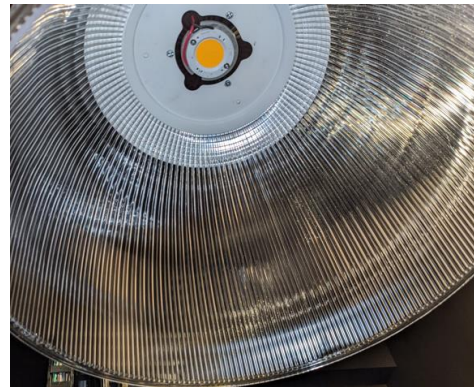
Luminous Diameter / Length (in) = 15.96

Luminous Diameter / Height (in) = 0

Spacing Criterion (diagonal) = 0.7868

Luminance Summary (cd/m<sup>2</sup>)

H/V	0.0
45.0	20654
55.0	9104
65.0	6985
75.0	4610
85.0	4178



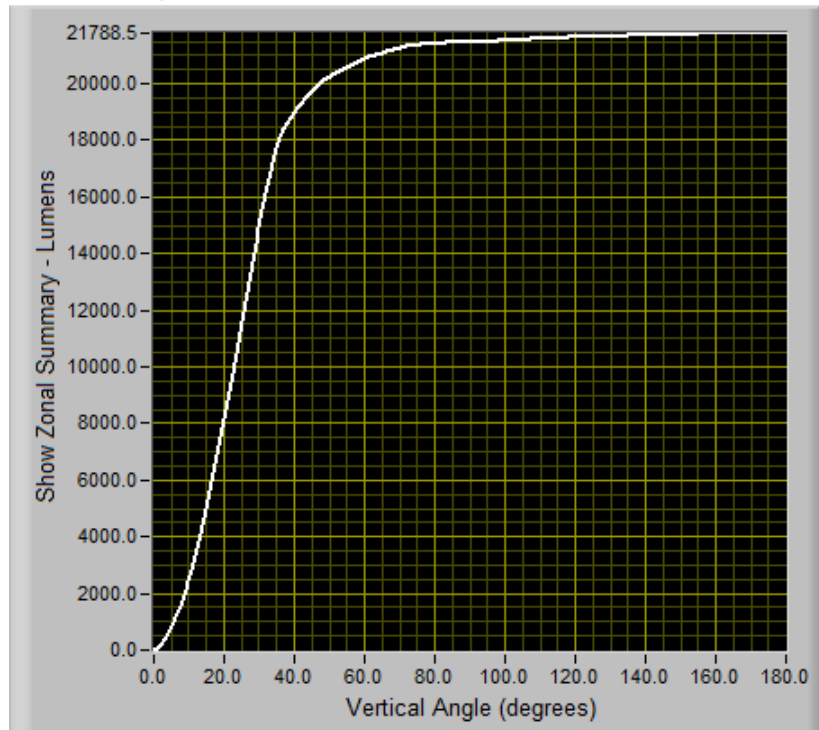
Tested by: JA

Approved by: WW 05/27/22

Zonal Lumen Summary

0 to 5	703.1
5 to 10	1549.8
10 to 15	2431.0
15 to 20	3128.8
20 to 25	3397.7
25 to 30	3423.6
30 to 35	2798.8
35 to 40	1446.8
40 to 45	813.3
45 to 50	551.1
50 to 55	321.4
55 to 60	291.0
60 to 65	213.5
65 to 70	173.9
70 to 75	117.3
75 to 80	57.9
80 to 85	29.2
85 to 90	21.0
90 to 95	20.4
95 to 100	22.4
100 to 105	32.4
105 to 110	45.6
110 to 115	26.0
115 to 120	21.2
120 to 125	19.4
125 to 130	18.6
130 to 135	17.9
135 to 140	17.3
140 to 145	16.8
145 to 150	15.2
150 to 155	13.0
155 to 160	11.0
160 to 165	9.2
165 to 170	6.9
170 to 175	4.3
175 to 180	1.5

Zonal Flux Graph



Zonal Lumen Summary

0 to 10	2252.9
0 to 20	7812.7
0 to 30	14634.1
0 to 40	18879.8
0 to 50	20244.2
0 to 60	20856.6
0 to 70	21243.9
0 to 80	21419.1
0 to 90	21469.3
0 to 100	21512.1
0 to 110	21590.1
0 to 120	21637.2
0 to 130	21675.2
0 to 140	21710.5
0 to 150	21742.5
0 to 160	21766.5
0 to 170	21782.6
0 to 180	21788.5

## 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	1.10	1.10	1.10	1.10	1.05	1.05	1.05	1.05	1.01	1.01	1.01	1.01	0.99
1	1.13	1.10	1.07	1.03	1.10	1.07	1.05	1.02	1.05	1.03	1.01	0.99	1.01	0.99	0.98	0.95	0.97	0.95	0.94	0.93	0.91
2	1.07	1.01	0.97	0.92	1.04	1.00	0.96	0.91	1.00	0.96	0.93	0.89	0.96	0.93	0.90	0.87	0.92	0.90	0.88	0.85	0.84
3	1.01	0.94	0.89	0.83	0.99	0.93	0.88	0.82	0.95	0.90	0.86	0.81	0.91	0.87	0.84	0.79	0.88	0.85	0.82	0.78	0.78
4	0.95	0.87	0.82	0.75	0.94	0.86	0.81	0.75	0.90	0.84	0.79	0.74	0.87	0.82	0.78	0.73	0.84	0.80	0.76	0.72	0.72
5	0.90	0.82	0.76	0.69	0.89	0.81	0.75	0.69	0.85	0.79	0.74	0.68	0.82	0.77	0.72	0.68	0.80	0.75	0.71	0.67	0.67
6	0.86	0.76	0.70	0.64	0.84	0.76	0.70	0.64	0.81	0.74	0.69	0.63	0.78	0.72	0.68	0.63	0.76	0.71	0.67	0.62	0.62
7	0.81	0.72	0.65	0.59	0.80	0.71	0.65	0.59	0.77	0.70	0.64	0.59	0.75	0.68	0.63	0.59	0.73	0.67	0.63	0.58	0.58
8	0.77	0.67	0.61	0.55	0.76	0.67	0.61	0.55	0.74	0.66	0.60	0.55	0.71	0.64	0.60	0.55	0.69	0.63	0.59	0.54	0.54
9	0.74	0.64	0.57	0.52	0.72	0.63	0.57	0.52	0.70	0.62	0.57	0.51	0.68	0.61	0.56	0.51	0.66	0.60	0.56	0.51	0.51
10	0.70	0.60	0.54	0.49	0.69	0.60	0.54	0.49	0.67	0.59	0.53	0.48	0.65	0.58	0.53	0.48	0.63	0.57	0.53	0.48	0.48

## Cone of Light

Mounting Height (ft)	Beam Cone Width (ft)	Orthogonal Beam Cone Width (ft)	Projected Illuminance (fc)
2	1.75	1.75	7992.0
4	3.50	3.50	1998.0
6	5.25	5.25	888.0
8	7.00	7.00	499.5
10	8.75	8.75	319.7
12	10.51	10.51	222.0
14	12.26	12.26	163.1
16	14.01	14.01	124.9
18	15.76	15.76	98.7
20	17.51	17.51	79.9

Candela Distribution (cd)	
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H/V	0.0
0.0	31968
1.0	31687
2.0	30940
3.0	29825
4.0	28426
5.0	26738
6.0	24811
7.0	22830
8.0	20950
9.0	19481
10.0	18760
11.0	19077
12.0	20080
13.0	21098
14.0	21589
15.0	21296
16.0	20638
17.0	19748
18.0	18605
19.0	17510
20.0	16744
22.5	16321
25.0	15496
27.5	13798
30.0	11058
32.5	9609
35.0	7896
37.5	3851
40.0	2653
42.5	2136
45.0	1885
47.5	1324
50.0	902
52.5	718
55.0	674
57.5	646

H/V	0.0
60.0	537.00
62.5	429.50
65.0	381.00
67.5	346.00
70.0	295.00
72.5	224.00
75.0	154.00
77.5	106.50
80.0	73.00
82.5	50.50
85.0	47.00
87.5	36.50
90.0	34.00
92.5	37.00
95.0	41.00
97.5	40.00
100.0	45.00
102.5	58.00
105.0	85.00
107.5	94.00
110.0	65.00
112.5	49.50
115.0	45.00
117.5	43.50
120.0	42.00
122.5	42.00
125.0	42.00
127.5	43.00
130.0	43.00
132.5	44.50
135.0	45.00
137.5	46.50
140.0	49.00
142.5	50.50
145.0	51.00
147.5	52.00

H/V 0.0

150.0	52.00
152.5	51.00
155.0	52.00
157.5	52.50
160.0	54.00
162.5	55.50
165.0	57.00
167.5	58.00
170.0	59.00
172.5	60.50
175.0	63.00
177.5	64.00
180.0	64.00