

Certified Test Report No. G22052404

Catalog Number: **SCPL430KMVD2CNHFC-P W/CRW22-P**

Luminaire Information: SCPL SERIES 4, 3000K, 80CRI, WHITE WITH 22" ALUMINUM WIDE DISTRIBUTION SHADE

Electrical Measurements: 120.010 V, 1.422 A, 170.060 W, 0.996 PF, 59.999 Hz, 4.517% ITHD, 0.237% 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	7016	
5.0	6982	708
15.0	7086	2009
25.0	7416	3433
35.0	7854	4934
45.0	8150	6311
55.0	2060	1848
65.0	831	825
75.0	245	259
85.0	33	18
90.0	0	

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0 to 30	6124.30	29.20	29.20
0 to 40	11057.67	52.72	52.72
0 to 60	19808.96	94.45	94.45
0 to 90	20973.85	100.00	100.00
90 to 180	0.00	0.00	0.00
0 to 180	20973.85	100.00	100.00

Total Luminous Flux (lm) = 20973.8

Luminous Efficacy (lm/W) = 123.303

CIE Type - Direct

Peak Luminous Intensity (candela) = 8152.6

Vertical Angle of Peak (degrees) = 44

Horizontal Angle of Peak (degrees) = 0

Beam Angle to % Intensity Value (degrees) = 104.4, 104.4

Field Angle to % Intensity Value (degrees) = 130.4, 130.4

Luminous Diameter / Width (in) = 21.96

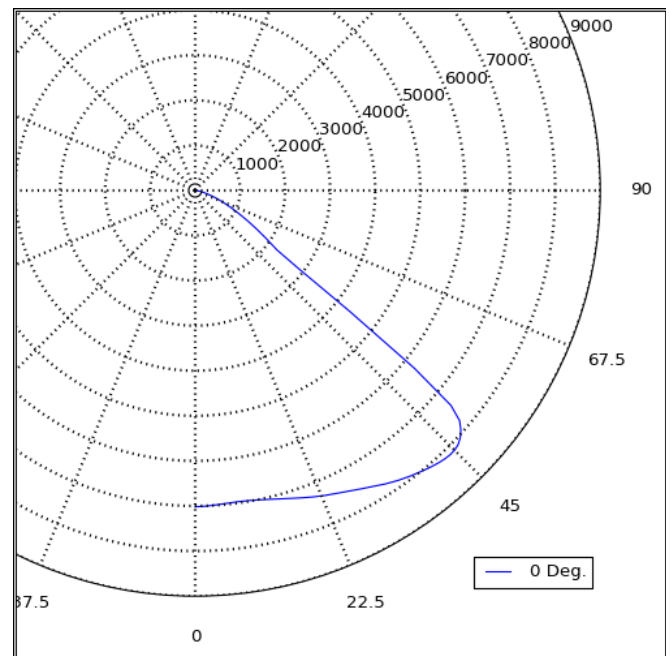
Luminous Diameter / Length (in) = 21.96

Luminous Diameter / Height (in) = 0

Spacing Criterion (diagonal) = 1.716

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

H/V	0.0
45.0	47165
55.0	14700
65.0	8051
75.0	3875
85.0	1550



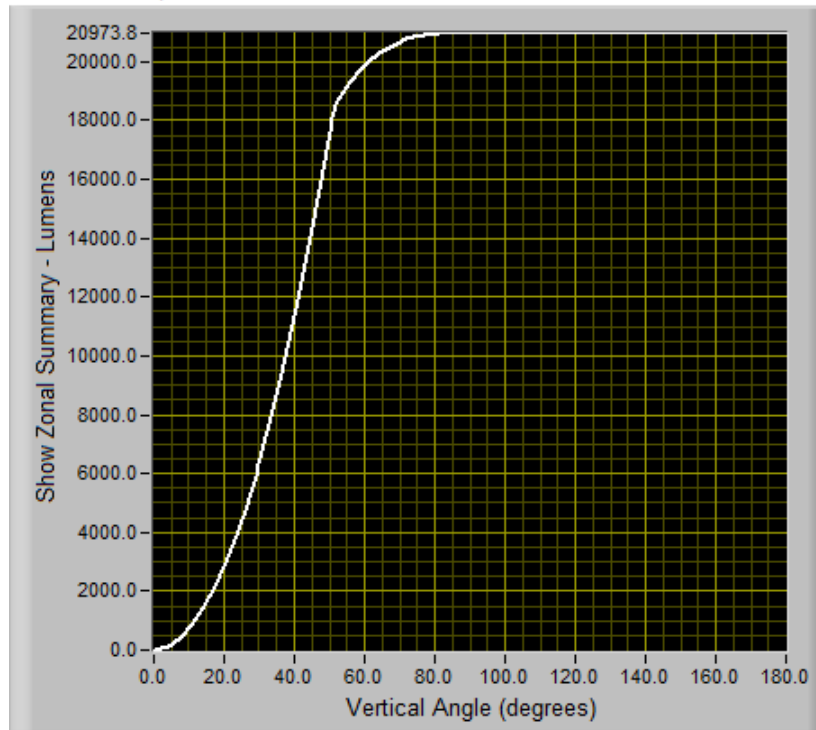
Tested by: JA

Approved by: WW 05/27/22

Zonal Lumen Summary

0 to 5	168.9
5 to 10	499.0
10 to 15	834.2
15 to 20	1181.3
20 to 25	1538.9
25 to 30	1901.9
30 to 35	2279.1
35 to 40	2654.3
40 to 45	3006.1
45 to 50	3205.3
50 to 55	1764.0
55 to 60	775.9
60 to 65	519.5
65 to 70	327.2
70 to 75	185.8
75 to 80	89.6
80 to 85	35.2
85 to 90	7.7
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	667.9
0 to 20	2683.5
0 to 30	6124.3
0 to 40	11057.7
0 to 50	17269.1
0 to 60	19809.0
0 to 70	20655.7
0 to 80	20931.0
0 to 90	20973.8
0 to 100	20973.8
0 to 110	20973.8
0 to 120	20973.8
0 to 130	20973.8
0 to 140	20973.8
0 to 150	20973.8
0 to 160	20973.8
0 to 170	20973.8
0 to 180	20973.8

## 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	1.11	1.07	1.04	0.99	1.08	1.05	1.02	0.98	1.04	1.01	0.98	0.95	0.99	0.97	0.95	0.92	0.95	0.94	0.92	0.90	0.89
2	1.03	0.96	0.90	0.83	1.00	0.94	0.89	0.82	0.96	0.91	0.86	0.81	0.92	0.87	0.84	0.79	0.88	0.84	0.82	0.78	0.77
3	0.95	0.86	0.79	0.71	0.92	0.84	0.78	0.70	0.88	0.81	0.76	0.69	0.84	0.79	0.74	0.68	0.81	0.76	0.72	0.67	0.67
4	0.87	0.77	0.69	0.60	0.85	0.75	0.68	0.60	0.81	0.73	0.67	0.59	0.78	0.71	0.65	0.59	0.74	0.69	0.64	0.58	0.58
5	0.80	0.69	0.61	0.52	0.78	0.68	0.60	0.52	0.75	0.66	0.59	0.52	0.72	0.64	0.58	0.51	0.69	0.62	0.57	0.51	0.51
6	0.74	0.62	0.54	0.45	0.72	0.61	0.53	0.45	0.69	0.59	0.52	0.45	0.66	0.58	0.52	0.45	0.63	0.56	0.51	0.45	0.45
7	0.69	0.56	0.48	0.40	0.67	0.55	0.48	0.40	0.64	0.54	0.47	0.40	0.61	0.52	0.46	0.40	0.59	0.51	0.46	0.39	0.39
8	0.64	0.51	0.43	0.35	0.62	0.50	0.43	0.35	0.60	0.49	0.42	0.35	0.57	0.48	0.42	0.35	0.55	0.47	0.41	0.35	0.35
9	0.60	0.47	0.39	0.31	0.58	0.46	0.39	0.31	0.56	0.45	0.38	0.31	0.53	0.44	0.38	0.31	0.51	0.43	0.37	0.31	0.31
10	0.56	0.43	0.35	0.28	0.54	0.42	0.35	0.28	0.52	0.41	0.35	0.28	0.50	0.40	0.34	0.28	0.48	0.40	0.34	0.28	0.28

## Cone of Light

Mounting Height (ft)	Beam Cone Width (ft)	Orthogonal Beam Cone Width (ft)	Projected Illuminance (fc)
2	5.15	5.15	1754.0
4	10.31	10.31	438.5
6	15.46	15.46	194.9
8	20.62	20.62	109.6
10	25.77	25.77	70.2
12	30.93	30.93	48.7
14	36.08	36.08	35.8
16	41.24	41.24	27.4
18	46.39	46.39	21.7
20	51.54	51.54	17.5

Candela Distribution (cd)

H/V	0.0
0.0	7015.8
1.0	7012.0
2.0	7007.6
3.0	6999.2
4.0	6990.1
5.0	6982.2
6.0	6974.5
7.0	6971.7
8.0	6970.3
9.0	6975.2
10.0	6984.4
11.0	6996.6
12.0	7014.2
13.0	7035.1
14.0	7058.9
15.0	7085.5
16.0	7114.0
17.0	7144.9
18.0	7178.5
19.0	7212.7
20.0	7247.1
22.5	7334.1
25.0	7416.3
27.5	7509.9
30.0	7615.7
32.5	7737.3
35.0	7853.5
37.5	7954.1
40.0	8047.7
42.5	8125.7
45.0	8149.5
47.5	7996.6
50.0	7417.7
52.5	3605.8
55.0	2060.3
57.5	1673.0

H/V	0.0
60.0	1339.7
62.5	1063.0
65.0	831.4
67.5	642.3
70.0	483.5
72.5	351.9
75.0	245.1
77.5	164.1
80.0	104.4
82.5	62.9
85.0	33.0
87.5	12.6
90.0	0.0