

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506189

Luminaire Tested: **22PD-25-PL1-L840**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-25-PL1-L840
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

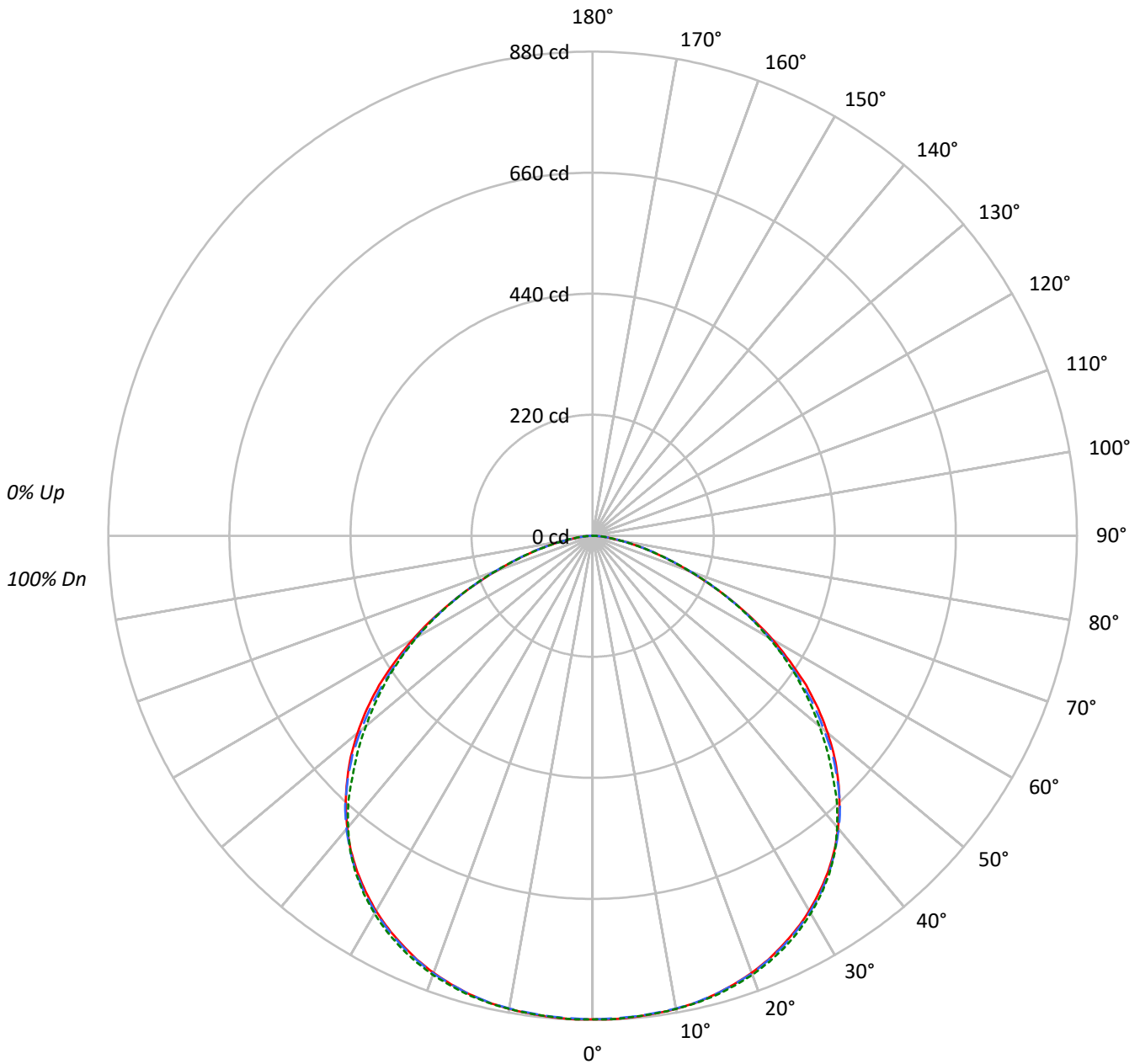
Lumens per Lamp: N/A
Luminaire Lumens: 2489.3 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P506189

CATALOG NUMBER: 22PD-25-PL1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P506189

CATALOG NUMBER: 22PD-25-PL1-L840

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2365	2365	2365
5°	2371	2369	2370
10°	2386	2384	2386
15°	2404	2404	2409
20°	2421	2424	2432
25°	2434	2439	2451
30°	2446	2454	2463
35°	2450	2458	2463
40°	2437	2444	2428
45°	2402	2395	2347
50°	2334	2298	2251
55°	2221	2165	2140
60°	2034	1995	1984
65°	1773	1769	1764
70°	1453	1478	1473
75°	1152	1171	1152
80°	845	840	834
85°	565	553	593



TEST NUMBER: P506189

CATALOG NUMBER: 22PD-25-PL1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	3.4
10°-20°	243.9	9.8
20°-30°	379.0	15.2
30°-40°	467.3	18.8
40°-50°	482.7	19.4
50°-60°	413.0	16.6
60°-70°	275.6	11.1
70°-80°	121.0	4.9
80°-90°	23.4	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	706.5	28.4
0°-40°	1173.7	47.2
0°-60°	2069.4	83.1
0°-90°	2489.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2489.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	879	879	879	879	879	
5°	878	877	877	876	877	84
15°	863	862	863	863	865	244
25°	820	820	822	824	826	378
35°	746	746	748	750	750	466
45°	631	631	629	624	617	486
55°	474	468	461	459	456	421
65°	278	278	278	279	277	276
75°	111	110	113	112	111	120
85°	18	18	18	19	19	24
90°	0	0	0	0	0	



TEST NUMBER: P506189

CATALOG NUMBER: 22PD-25-PL1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	878.9	878.9	878.9	878.9	878.9
2.5°	879.5	878.3	877.9	877.9	879.5
5°	877.9	876.7	877.0	876.4	877.3
7.5°	875.8	874.5	874.8	874.5	875.8
10°	873.3	872.1	872.4	872.1	873.3
12.5°	869.0	868.0	868.7	869.0	869.9
15°	862.8	861.8	862.8	863.4	864.6
17.5°	854.7	854.1	855.0	856.0	857.5
20°	845.4	844.8	846.4	847.3	849.2
22.5°	834.0	833.4	834.9	837.1	838.3
25°	819.8	819.8	821.6	824.1	825.6
27.5°	804.6	804.3	806.5	808.9	810.5
30°	787.3	786.6	789.7	791.9	792.8
32.5°	767.2	767.5	770.2	772.4	772.7
35°	745.8	745.8	748.3	749.8	749.8
37.5°	721.4	721.0	723.5	724.1	723.2
40°	693.8	694.1	695.7	695.4	691.3
42.5°	664.1	664.4	665.7	661.3	657.3
45°	631.3	631.0	629.4	623.6	616.8
47.5°	596.3	594.8	592.3	583.3	578.4
50°	557.6	555.2	549.0	541.9	537.8
52.5°	516.8	512.5	506.3	500.7	497.3
55°	473.5	467.6	461.4	458.9	456.1
57.5°	425.2	421.5	416.2	415.0	413.1
60°	377.9	373.8	370.7	370.7	368.6
62.5°	328.3	325.9	324.6	325.2	323.1
65°	278.5	277.9	277.9	278.8	277.0
67.5°	230.2	231.5	231.2	234.3	231.8
70°	184.7	186.9	187.8	190.9	187.2
72.5°	145.4	145.8	147.0	147.9	146.1
75°	110.8	109.9	112.6	112.0	110.8
77.5°	80.2	79.5	80.5	81.1	79.5
80°	54.5	53.8	54.2	55.1	53.8
82.5°	34.4	33.7	33.7	34.7	34.4
85°	18.3	17.9	17.9	18.6	19.2
87.5°	6.5	6.2	6.5	6.5	6.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)