

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: P505838

Luminaire Tested: **14PD-25-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PL1-L840
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

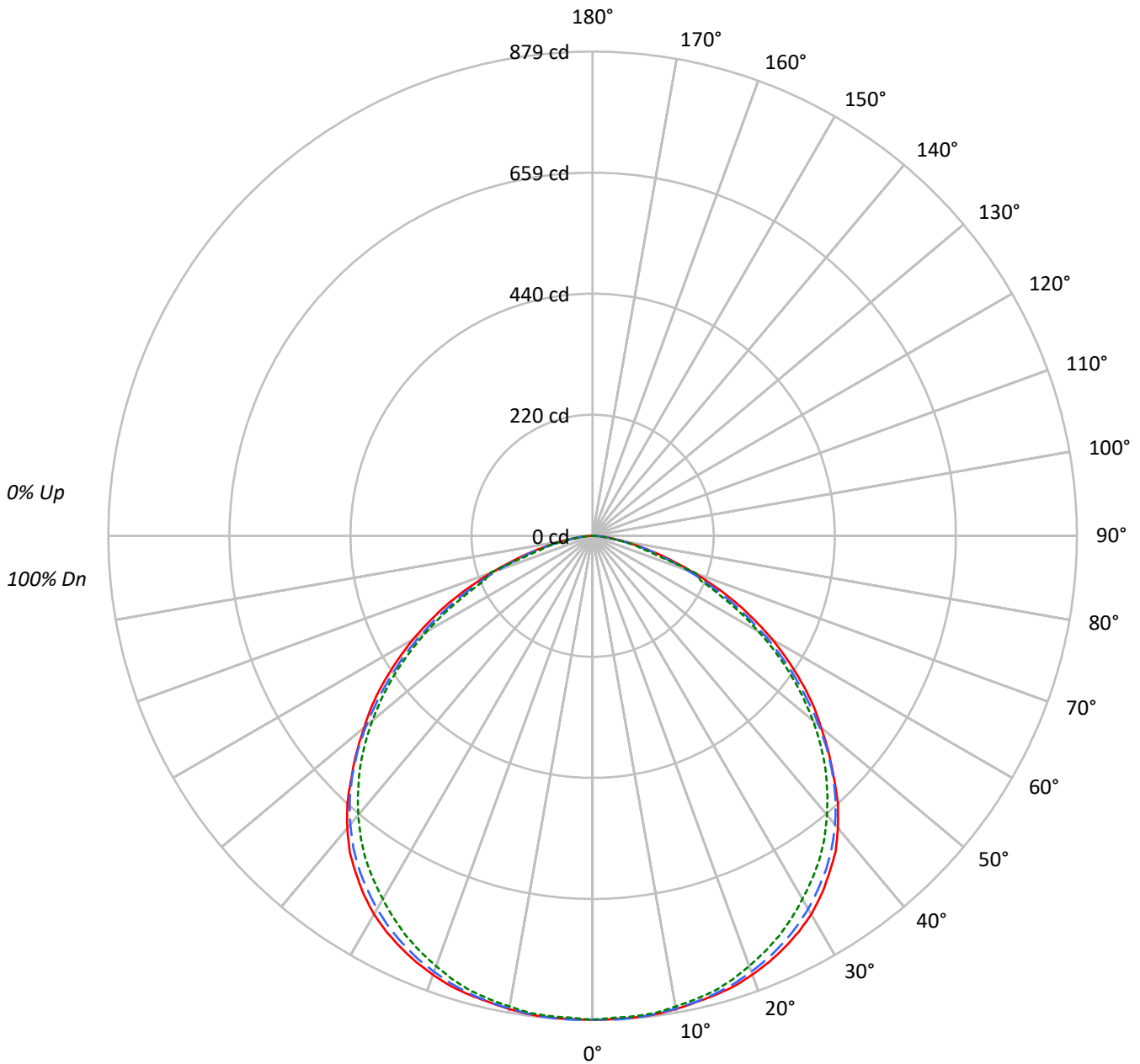
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2441.3 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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

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Luminous Intensity Polar Plot





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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	98	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	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2364	2364	2364
5°	2371	2373	2365
10°	2384	2382	2371
15°	2404	2397	2383
20°	2428	2412	2380
25°	2449	2425	2379
30°	2466	2431	2367
35°	2459	2428	2358
40°	2433	2405	2325
45°	2355	2348	2273
50°	2266	2246	2185
55°	2168	2105	2057
60°	2025	1934	1869
65°	1824	1711	1619
70°	1526	1430	1571
75°	1204	1158	1003
80°	868	770	784
85°	550	463	432



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	3.4
10°-20°	242.7	9.9
20°-30°	375.3	15.4
30°-40°	459.4	18.8
40°-50°	470.9	19.3
50°-60°	401.1	16.4
60°-70°	268.0	11.0
70°-80°	118.8	4.9
80°-90°	21.5	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°	701.6	28.7
0°-40°	1161.0	47.6
0°-60°	2033.0	83.3
0°-90°	2441.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2441.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	878	878	878	878	878	
5°	878	876	878	878	876	84
15°	863	860	860	858	855	244
25°	825	822	817	806	801	380
35°	749	747	739	723	718	468
45°	619	621	617	603	597	478
55°	462	460	449	439	438	412
65°	286	284	269	257	254	282
75°	116	117	111	112	96	125
85°	18	17	15	14	14	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	878.4	878.4	878.4	878.4	878.4
2.5°	878.4	876.9	879.3	880.3	876.0
5°	877.9	876.0	878.4	877.9	875.5
7.5°	876.4	873.1	875.5	874.5	873.6
10°	872.6	869.7	871.6	870.2	867.8
12.5°	867.3	865.4	866.8	865.4	862.0
15°	862.9	860.0	860.5	858.1	855.2
17.5°	857.2	852.8	852.8	848.0	844.6
20°	848.0	844.1	842.2	835.4	831.1
22.5°	837.4	834.5	830.6	821.9	817.1
25°	824.8	821.9	816.6	806.0	801.2
27.5°	810.4	806.5	800.7	788.2	782.4
30°	793.5	788.7	782.4	768.4	761.6
32.5°	772.7	769.4	761.2	746.7	740.4
35°	748.6	746.7	739.0	722.6	717.8
37.5°	724.0	720.2	713.4	696.0	691.2
40°	692.7	690.3	684.5	667.6	661.8
42.5°	658.9	657.5	652.6	636.7	630.4
45°	618.9	620.8	616.9	603.0	597.2
47.5°	580.8	579.8	578.4	565.8	561.0
50°	541.2	539.3	536.4	526.3	521.9
52.5°	504.1	500.2	492.5	483.8	480.9
55°	462.1	459.7	448.6	439.4	438.5
57.5°	419.7	418.2	404.7	394.1	394.1
60°	376.2	374.3	359.4	348.3	347.3
62.5°	330.9	329.5	314.0	301.5	302.0
65°	286.5	284.1	268.7	256.6	254.2
67.5°	240.2	239.3	224.3	213.2	212.2
70°	193.9	193.9	181.8	172.2	199.7
72.5°	152.9	151.5	141.8	137.5	131.2
75°	115.8	117.2	111.4	111.9	96.5
77.5°	82.5	80.1	77.7	72.4	76.7
80°	56.0	54.5	49.7	48.2	50.6
82.5°	34.7	35.2	30.9	28.0	27.5
85°	17.8	17.4	15.0	14.5	14.0
87.5°	6.8	7.2	6.3	5.8	5.3
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)