

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: P506842

Luminaire Tested: **24PD-80-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506842
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-80-PL1-L940
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

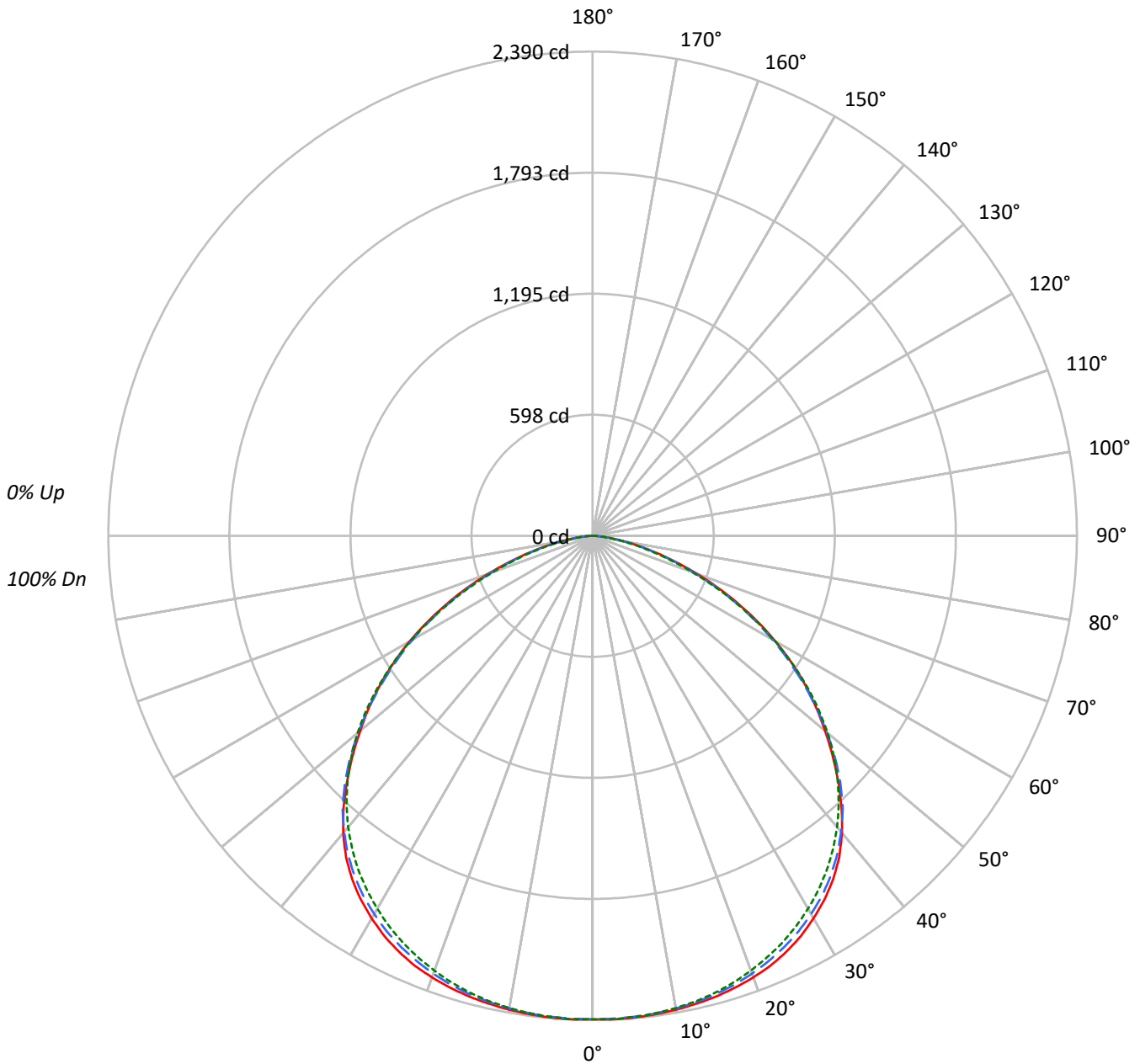
Lumens per Lamp: N/A
Luminaire Lumens: 6846.6 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.2
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3211	3211	3211
5°	3224	3218	3219
10°	3246	3237	3234
15°	3280	3264	3254
20°	3321	3294	3270
25°	3362	3324	3290
30°	3388	3350	3303
35°	3400	3365	3309
40°	3363	3351	3297
45°	3260	3290	3254
50°	3134	3157	3168
55°	2999	2976	3020
60°	2805	2759	2795
65°	2524	2474	2472
70°	2149	2100	2052
75°	1692	1655	1587
80°	1210	1175	1109
85°	716	706	656



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	3.3
10°-20°	662.5	9.7
20°-30°	1032.7	15.1
30°-40°	1277.9	18.7
40°-50°	1324.7	19.3
50°-60°	1140.6	16.7
60°-70°	773.9	11.3
70°-80°	345.3	5.0
80°-90°	62.1	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°	1922.2	28.1
0°-40°	3200.1	46.7
0°-60°	5665.4	82.7
0°-90°	6846.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6846.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2387	2387	2387	2387	2387	
5°	2387	2383	2383	2383	2383	227
15°	2355	2348	2343	2338	2336	666
25°	2264	2256	2239	2223	2216	1044
35°	2070	2064	2049	2027	2015	1292
45°	1714	1721	1729	1723	1710	1321
55°	1278	1279	1268	1283	1287	1140
65°	793	796	777	768	776	784
75°	326	328	318	311	305	353
85°	46	47	46	46	42	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2386.7	2386.7	2386.7	2386.7	2386.7
2.5°	2389.9	2384.7	2385.4	2386.0	2388.6
5°	2386.7	2383.4	2382.8	2382.8	2383.4
7.5°	2382.8	2378.8	2378.2	2377.5	2377.5
10°	2375.6	2371.6	2369.0	2367.7	2367.1
12.5°	2365.8	2361.2	2357.9	2355.3	2353.3
15°	2354.6	2348.1	2342.9	2337.7	2335.7
17.5°	2339.0	2333.1	2323.9	2315.4	2312.2
20°	2319.4	2313.5	2300.4	2288.6	2284.1
22.5°	2296.5	2288.0	2271.7	2258.6	2252.0
25°	2264.5	2256.0	2239.0	2222.6	2216.1
27.5°	2227.2	2219.4	2201.1	2181.5	2173.6
30°	2180.8	2175.6	2156.0	2134.4	2125.9
32.5°	2129.2	2124.0	2107.0	2082.8	2073.0
35°	2069.7	2063.8	2048.8	2026.6	2014.8
37.5°	1999.1	1997.2	1982.8	1959.9	1948.8
40°	1914.8	1918.7	1907.6	1888.0	1876.9
42.5°	1818.8	1827.3	1827.3	1809.0	1797.8
45°	1713.5	1721.4	1729.2	1722.7	1710.3
47.5°	1605.7	1614.2	1623.4	1626.0	1615.5
50°	1497.2	1502.5	1508.3	1520.1	1513.6
52.5°	1389.4	1391.4	1389.4	1405.1	1403.8
55°	1278.3	1278.9	1268.5	1282.9	1287.4
57.5°	1162.6	1164.6	1147.6	1155.4	1165.2
60°	1042.4	1044.3	1025.4	1026.7	1038.5
62.5°	918.2	920.8	901.9	897.3	907.7
65°	792.7	796.0	777.0	768.5	776.4
67.5°	667.9	671.8	654.2	643.7	645.7
70°	546.3	549.6	533.9	524.1	521.5
72.5°	430.7	433.9	421.5	411.7	407.1
75°	325.5	328.1	318.3	311.1	305.2
77.5°	234.0	235.9	228.1	222.9	217.0
80°	156.2	156.8	151.6	148.4	143.1
82.5°	93.5	94.1	90.8	89.5	85.6
85°	46.4	47.1	45.7	45.7	42.5
87.5°	16.3	15.7	16.3	16.3	14.4
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)