

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: P506788

Luminaire Tested: **24PD-70-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506788
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-70-PL1-L940
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

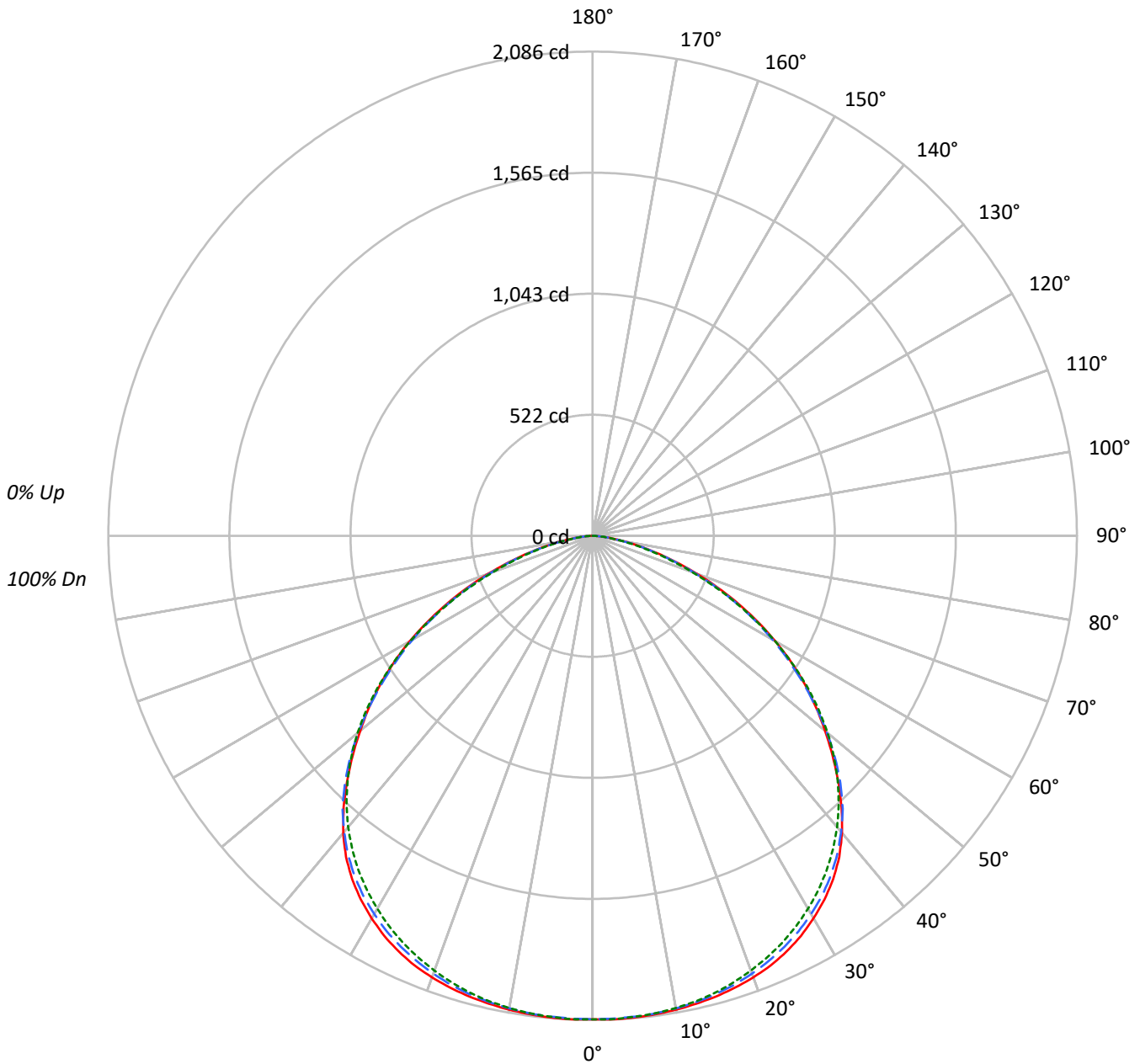
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5975.7 lumens
Efficiency: N/A
Efficacy: 116.0 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): 51.5
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: P506788
CATALOG NUMBER: 24PD-70-PL1-L940

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°	2803	2803	2803
5°	2813	2809	2810
10°	2833	2825	2823
15°	2863	2848	2840
20°	2898	2875	2854
25°	2934	2901	2871
30°	2957	2923	2883
35°	2967	2937	2888
40°	2935	2924	2877
45°	2846	2872	2840
50°	2735	2756	2765
55°	2617	2597	2636
60°	2448	2408	2439
65°	2203	2159	2157
70°	1876	1833	1791
75°	1477	1444	1385
80°	1056	1025	968
85°	625	616	573



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	3.3
10°-20°	578.2	9.7
20°-30°	901.3	15.1
30°-40°	1115.3	18.7
40°-50°	1156.2	19.3
50°-60°	995.5	16.7
60°-70°	675.4	11.3
70°-80°	301.4	5.0
80°-90°	54.2	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°	1677.7	28.1
0°-40°	2793.0	46.7
0°-60°	4944.6	82.7
0°-90°	5975.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5975.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2083	2083	2083	2083	2083	
5°	2083	2080	2080	2080	2080	199
15°	2055	2049	2045	2040	2039	581
25°	1976	1969	1954	1940	1934	911
35°	1806	1801	1788	1769	1758	1127
45°	1496	1502	1509	1504	1493	1153
55°	1116	1116	1107	1120	1124	995
65°	692	695	678	671	678	685
75°	284	286	278	272	266	308
85°	40	41	40	40	37	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2083.1	2083.1	2083.1	2083.1	2083.1
2.5°	2085.9	2081.3	2081.9	2082.5	2084.8
5°	2083.1	2080.2	2079.6	2079.6	2080.2
7.5°	2079.6	2076.2	2075.6	2075.1	2075.1
10°	2073.4	2069.9	2067.7	2066.5	2065.9
12.5°	2064.8	2060.8	2058.0	2055.7	2054.0
15°	2055.1	2049.4	2044.8	2040.3	2038.6
17.5°	2041.4	2036.3	2028.3	2020.9	2018.0
20°	2024.3	2019.2	2007.8	1997.5	1993.5
22.5°	2004.3	1996.9	1982.7	1971.3	1965.6
25°	1976.4	1969.0	1954.1	1939.9	1934.2
27.5°	1943.9	1937.0	1921.1	1904.0	1897.1
30°	1903.4	1898.8	1881.7	1862.9	1855.5
32.5°	1858.3	1853.8	1838.9	1817.8	1809.3
35°	1806.4	1801.3	1788.2	1768.8	1758.5
37.5°	1744.8	1743.1	1730.6	1710.6	1700.9
40°	1671.2	1674.7	1665.0	1647.8	1638.2
42.5°	1587.4	1594.8	1594.8	1578.8	1569.1
45°	1495.6	1502.4	1509.2	1503.5	1492.7
47.5°	1401.4	1408.9	1416.8	1419.1	1410.0
50°	1306.8	1311.3	1316.5	1326.7	1321.0
52.5°	1212.6	1214.4	1212.6	1226.3	1225.2
55°	1115.7	1116.2	1107.1	1119.7	1123.7
57.5°	1014.7	1016.4	1001.6	1008.4	1017.0
60°	909.8	911.5	894.9	896.1	906.3
62.5°	801.4	803.7	787.1	783.1	792.3
65°	691.9	694.7	678.2	670.8	677.6
67.5°	582.9	586.4	571.0	561.8	563.5
70°	476.8	479.7	466.0	457.5	455.2
72.5°	375.9	378.7	367.9	359.3	355.4
75°	284.1	286.3	277.8	271.5	266.4
77.5°	204.2	205.9	199.1	194.5	189.4
80°	136.3	136.9	132.3	129.5	124.9
82.5°	81.6	82.1	79.3	78.1	74.7
85°	40.5	41.1	39.9	39.9	37.1
87.5°	14.3	13.7	14.3	14.3	12.5
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)