

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: P506797

Luminaire Tested: **24PD-70-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-70-PR1-L940
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

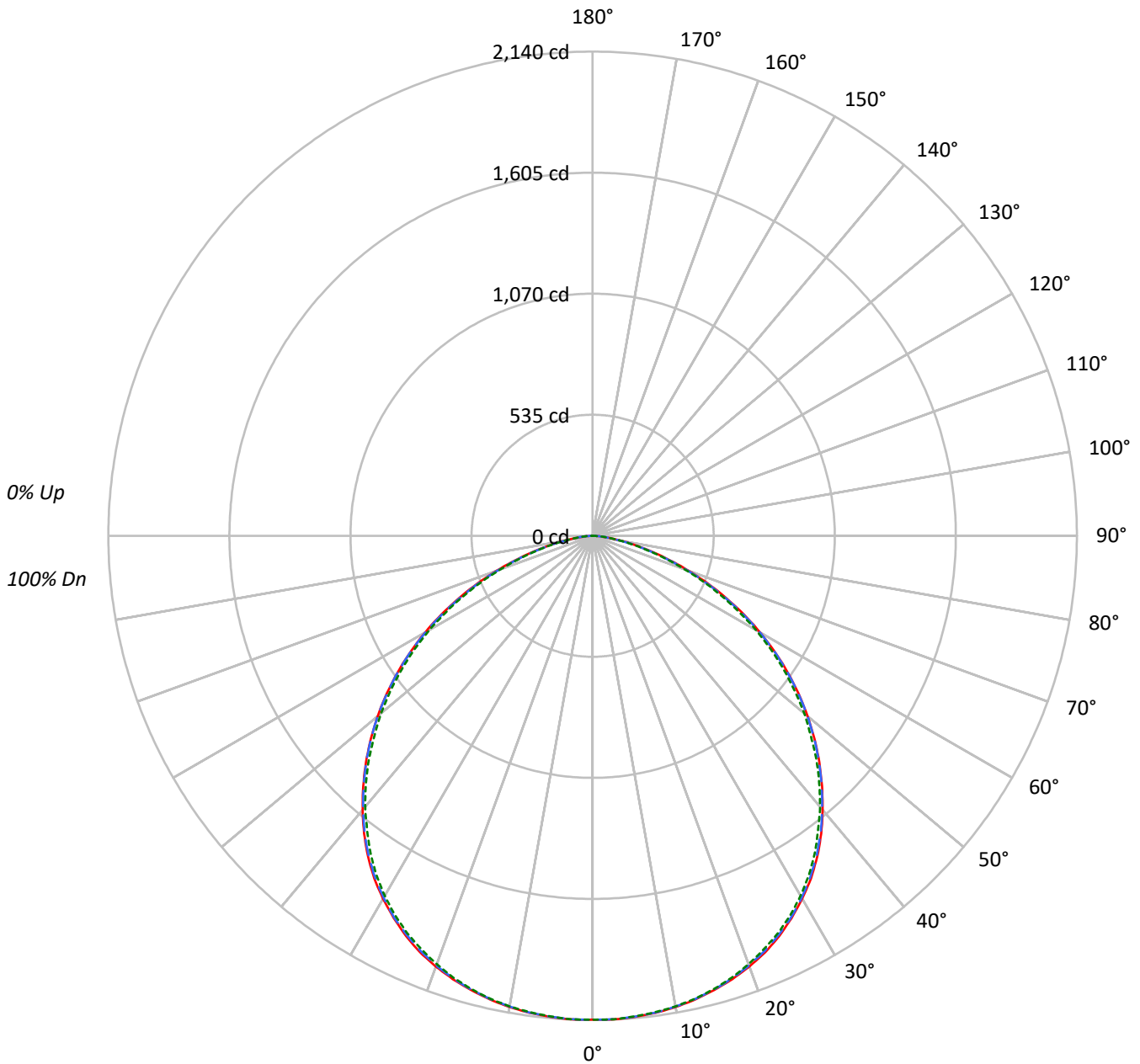
Lumens per Lamp: N/A
Luminaire Lumens: 5759.0 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2878	2878	2878
5°	2883	2882	2880
10°	2889	2886	2886
15°	2895	2891	2888
20°	2901	2894	2885
25°	2898	2889	2877
30°	2878	2870	2855
35°	2843	2834	2811
40°	2777	2770	2746
45°	2695	2691	2661
50°	2595	2594	2555
55°	2468	2462	2416
60°	2300	2291	2239
65°	2072	2047	2000
70°	1769	1743	1699
75°	1399	1367	1336
80°	993	968	938
85°	597	580	563



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.0	3.5
10°-20°	586.2	10.2
20°-30°	896.1	15.6
30°-40°	1076.1	18.7
40°-50°	1087.5	18.9
50°-60°	934.5	16.2
60°-70°	637.4	11.1
70°-80°	286.6	5.0
80°-90°	51.6	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°	1685.3	29.3
0°-40°	2761.5	48.0
0°-60°	4783.5	83.1
0°-90°	5759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5759.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2139	2139	2139	2139	2139	
5°	2135	2134	2134	2132	2132	203
15°	2078	2078	2076	2074	2073	587
25°	1952	1951	1946	1940	1938	899
35°	1731	1731	1725	1715	1712	1081
45°	1416	1420	1414	1404	1398	1092
55°	1052	1056	1050	1040	1030	939
65°	651	654	643	639	628	644
75°	269	271	263	261	257	292
85°	39	39	38	38	36	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2139.2	2139.2	2139.2	2139.2	2139.2
2.5°	2139.7	2139.2	2138.6	2137.5	2139.2
5°	2134.7	2134.2	2133.6	2132.5	2132.5
7.5°	2127.0	2125.9	2125.9	2124.2	2123.7
10°	2114.8	2114.3	2112.6	2112.6	2112.1
12.5°	2099.4	2098.3	2096.6	2096.1	2095.0
15°	2078.4	2077.8	2075.6	2074.0	2073.4
17.5°	2054.6	2053.0	2051.3	2047.4	2047.4
20°	2025.9	2024.8	2020.9	2017.1	2014.8
22.5°	1992.7	1990.5	1986.1	1982.3	1977.8
25°	1951.9	1951.3	1946.3	1939.7	1938.1
27.5°	1904.4	1905.5	1900.5	1893.9	1890.5
30°	1852.4	1854.6	1847.4	1839.2	1837.5
32.5°	1795.5	1796.1	1790.0	1781.2	1777.8
35°	1730.9	1730.9	1725.4	1714.9	1711.5
37.5°	1659.1	1658.5	1655.2	1643.0	1637.0
40°	1581.2	1583.9	1577.3	1566.2	1563.5
42.5°	1500.5	1503.8	1497.7	1488.3	1482.3
45°	1416.5	1420.4	1414.3	1404.4	1398.3
47.5°	1329.8	1332.6	1328.1	1315.4	1307.1
50°	1239.7	1245.3	1239.2	1225.9	1220.4
52.5°	1146.9	1153.0	1145.8	1135.9	1125.4
55°	1051.9	1055.8	1049.7	1040.3	1029.8
57.5°	954.1	961.8	951.9	940.9	932.0
60°	854.7	861.3	851.4	841.4	832.0
62.5°	753.6	758.0	746.9	740.9	729.8
65°	650.8	654.1	643.1	638.7	628.2
67.5°	549.2	551.9	541.4	535.3	529.3
70°	449.7	451.9	443.1	437.6	432.0
72.5°	355.8	356.3	348.1	346.4	339.8
75°	269.1	271.3	263.0	261.3	256.9
77.5°	193.4	193.9	188.4	187.3	183.4
80°	128.2	128.7	124.9	124.3	121.0
82.5°	77.3	77.9	74.6	74.6	72.4
85°	38.7	39.2	37.6	37.6	36.5
87.5°	13.3	13.8	13.3	13.3	12.7
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)