

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: P506738

Luminaire Tested: **24PD-60-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506738
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-60-PR1-L840
Description: 6000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

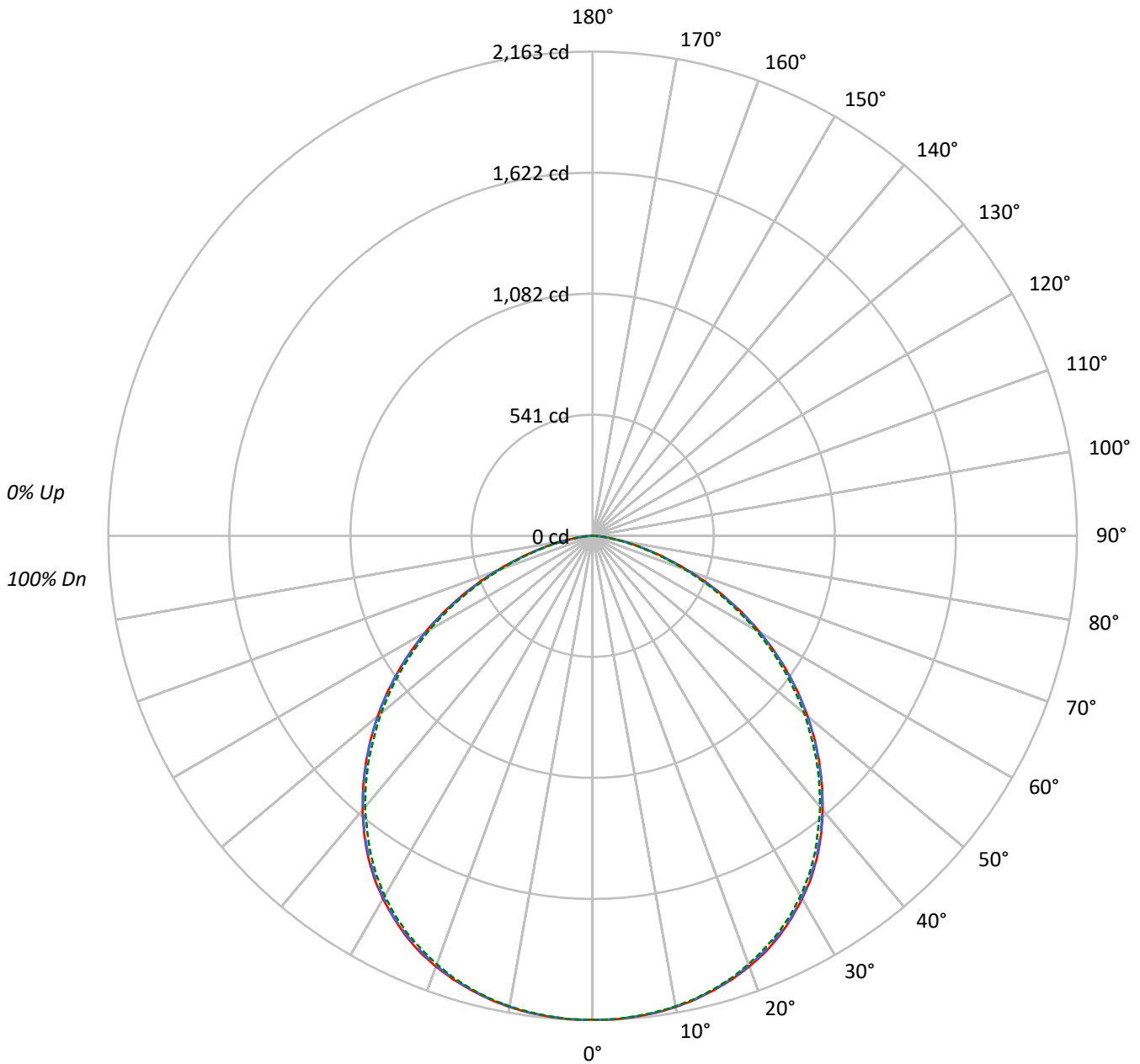
Lumens per Lamp: N/A
Luminaire Lumens: 5821.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.9
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

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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°	2909	2909	2909
5°	2914	2913	2911
10°	2920	2917	2917
15°	2926	2922	2919
20°	2932	2925	2916
25°	2929	2921	2908
30°	2909	2901	2886
35°	2874	2864	2842
40°	2807	2800	2776
45°	2724	2720	2689
50°	2623	2622	2582
55°	2494	2489	2442
60°	2325	2316	2263
65°	2094	2069	2021
70°	1788	1762	1718
75°	1413	1382	1350
80°	1004	978	948
85°	604	587	570



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.2	3.5
10°-20°	592.5	10.2
20°-30°	905.8	15.6
30°-40°	1087.7	18.7
40°-50°	1099.2	18.9
50°-60°	944.5	16.2
60°-70°	644.3	11.1
70°-80°	289.7	5.0
80°-90°	52.1	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°	1703.5	29.3
0°-40°	2791.2	48.0
0°-60°	4835.0	83.1
0°-90°	5821.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5821.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2162	2162	2162	2162	2162	
5°	2158	2157	2157	2156	2156	205
15°	2101	2100	2098	2096	2096	593
25°	1973	1972	1967	1961	1959	909
35°	1750	1750	1744	1733	1730	1092
45°	1432	1436	1430	1420	1413	1103
55°	1063	1067	1061	1052	1041	949
65°	658	661	650	646	635	651
75°	272	274	266	264	260	295
85°	39	40	38	38	37	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2162.2	2162.2	2162.2	2162.2	2162.2
2.5°	2162.7	2162.2	2161.6	2160.5	2162.2
5°	2157.7	2157.2	2156.6	2155.5	2155.5
7.5°	2149.9	2148.8	2148.8	2147.1	2146.5
10°	2137.6	2137.1	2135.4	2135.4	2134.8
12.5°	2122.0	2120.9	2119.2	2118.6	2117.5
15°	2100.8	2100.2	2098.0	2096.3	2095.7
17.5°	2076.7	2075.1	2073.4	2069.5	2069.5
20°	2047.7	2046.6	2042.7	2038.8	2036.5
22.5°	2014.2	2012.0	2007.5	2003.6	1999.1
25°	1972.9	1972.3	1967.3	1960.6	1958.9
27.5°	1924.9	1926.0	1920.9	1914.2	1910.9
30°	1872.4	1874.6	1867.3	1859.0	1857.3
32.5°	1814.8	1815.4	1809.3	1800.3	1797.0
35°	1749.5	1749.5	1743.9	1733.3	1730.0
37.5°	1676.9	1676.4	1673.0	1660.7	1654.6
40°	1598.2	1601.0	1594.3	1583.1	1580.3
42.5°	1516.7	1520.0	1513.9	1504.4	1498.2
45°	1431.8	1435.7	1429.5	1419.5	1413.3
47.5°	1344.1	1346.9	1342.4	1329.6	1321.2
50°	1253.1	1258.7	1252.5	1239.1	1233.5
52.5°	1159.3	1165.4	1158.2	1148.1	1137.5
55°	1063.2	1067.1	1061.0	1051.5	1040.9
57.5°	964.4	972.2	962.1	951.0	942.0
60°	863.9	870.6	860.5	850.5	841.0
62.5°	761.7	766.1	755.0	748.8	737.7
65°	657.8	661.2	650.0	645.5	634.9
67.5°	555.1	557.9	547.2	541.1	535.0
70°	454.5	456.8	447.8	442.3	436.7
72.5°	359.6	360.2	351.8	350.1	343.4
75°	271.9	274.2	265.8	264.1	259.7
77.5°	195.4	196.0	190.4	189.3	185.4
80°	129.6	130.1	126.2	125.6	122.3
82.5°	78.2	78.7	75.4	75.4	73.2
85°	39.1	39.6	38.0	38.0	36.9
87.5°	13.4	14.0	13.4	13.4	12.8
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)