

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: P506905

Luminaire Tested: **24PD-90-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506905
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-90-PR1-L940
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

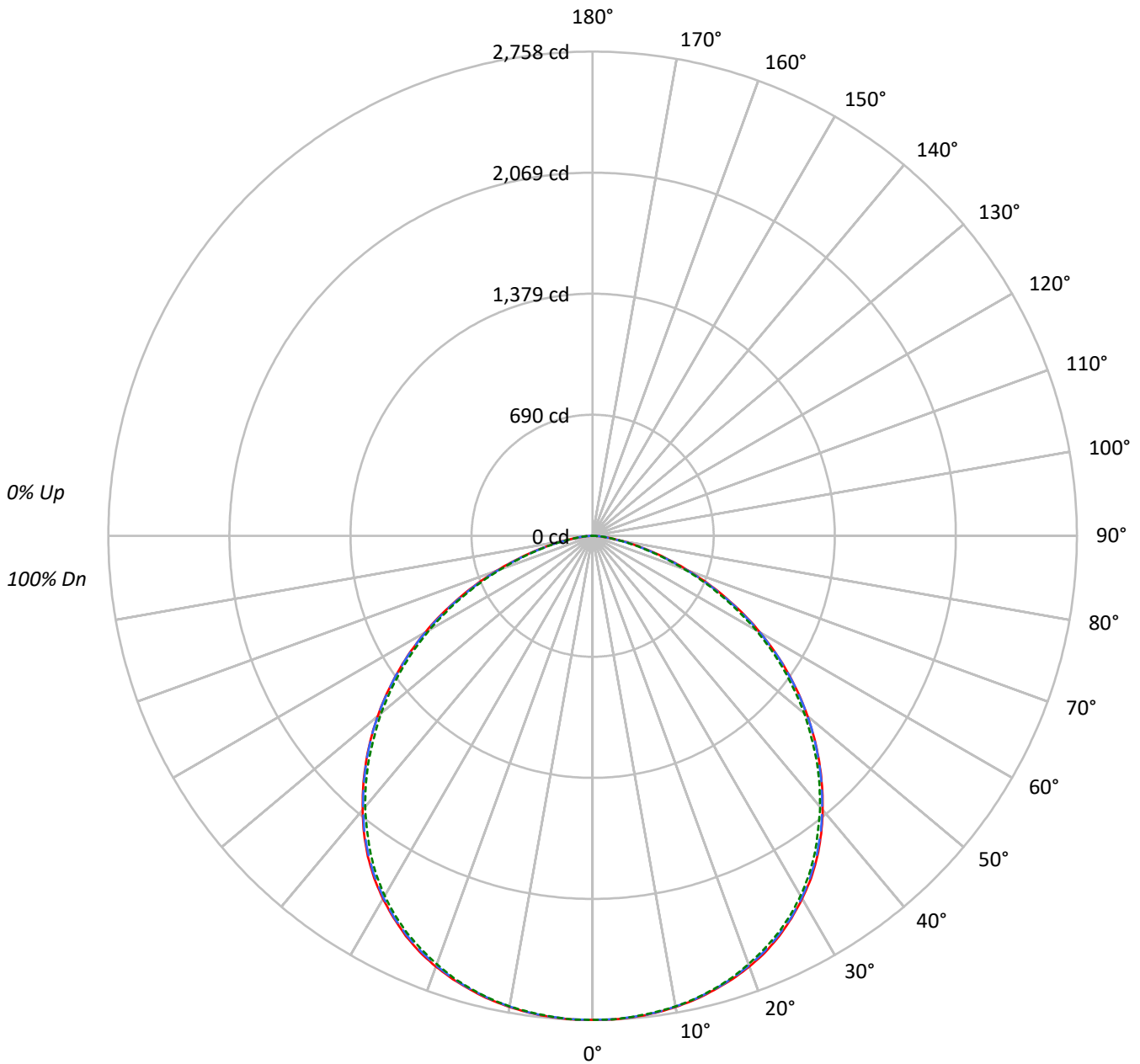
Lumens per Lamp: N/A
Luminaire Lumens: 7423.0 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 69.7
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	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°	3710	3710	3710
5°	3716	3714	3712
10°	3724	3720	3719
15°	3732	3727	3723
20°	3739	3730	3718
25°	3735	3724	3708
30°	3710	3700	3680
35°	3665	3653	3624
40°	3580	3571	3540
45°	3474	3469	3429
50°	3345	3343	3293
55°	3180	3174	3114
60°	2964	2953	2886
65°	2670	2639	2578
70°	2280	2247	2191
75°	1803	1762	1721
80°	1280	1247	1208
85°	769	747	726



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.7	3.5
10°-20°	755.6	10.2
20°-30°	1155.1	15.6
30°-40°	1387.1	18.7
40°-50°	1401.7	18.9
50°-60°	1204.4	16.2
60°-70°	821.6	11.1
70°-80°	369.4	5.0
80°-90°	66.4	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°	2172.3	29.3
0°-40°	3559.4	48.0
0°-60°	6165.6	83.1
0°-90°	7423.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7423.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2757	2757	2757	2757	2757	
5°	2752	2751	2750	2749	2749	262
15°	2679	2678	2675	2673	2672	757
25°	2516	2515	2509	2500	2498	1159
35°	2231	2231	2224	2210	2206	1393
45°	1826	1831	1823	1810	1802	1407
55°	1356	1361	1353	1341	1327	1210
65°	839	843	829	823	810	830
75°	347	350	339	337	331	376
85°	50	51	48	48	47	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2757.2	2757.2	2757.2	2757.2	2757.2
2.5°	2757.9	2757.2	2756.5	2755.1	2757.2
5°	2751.5	2750.8	2750.1	2748.7	2748.7
7.5°	2741.6	2740.1	2740.1	2738.0	2737.3
10°	2725.9	2725.2	2723.1	2723.1	2722.3
12.5°	2706.0	2704.5	2702.4	2701.7	2700.3
15°	2678.9	2678.2	2675.3	2673.2	2672.5
17.5°	2648.3	2646.1	2644.0	2639.0	2639.0
20°	2611.3	2609.8	2604.8	2599.9	2597.0
22.5°	2568.5	2565.7	2560.0	2555.0	2549.3
25°	2515.8	2515.1	2508.7	2500.2	2498.0
27.5°	2454.6	2456.0	2449.6	2441.1	2436.8
30°	2387.7	2390.5	2381.2	2370.6	2368.4
32.5°	2314.3	2315.0	2307.2	2295.8	2291.5
35°	2231.0	2231.0	2223.9	2210.3	2206.1
37.5°	2138.4	2137.7	2133.4	2117.8	2109.9
40°	2038.0	2041.6	2033.0	2018.8	2015.2
42.5°	1934.1	1938.3	1930.5	1918.4	1910.6
45°	1825.8	1830.8	1823.0	1810.1	1802.3
47.5°	1714.0	1717.6	1711.9	1695.5	1684.8
50°	1597.9	1605.1	1597.2	1580.1	1573.0
52.5°	1478.3	1486.1	1476.9	1464.1	1450.5
55°	1355.8	1360.8	1353.0	1340.9	1327.3
57.5°	1229.8	1239.8	1226.9	1212.7	1201.3
60°	1101.6	1110.2	1097.3	1084.5	1072.4
62.5°	971.3	977.0	962.8	954.9	940.7
65°	838.8	843.1	828.9	823.2	809.7
67.5°	707.8	711.4	697.9	690.0	682.2
70°	579.6	582.5	571.1	564.0	556.9
72.5°	458.6	459.3	448.6	446.5	437.9
75°	346.8	349.6	339.0	336.8	331.1
77.5°	249.2	249.9	242.8	241.4	236.4
80°	165.2	165.9	160.9	160.2	155.9
82.5°	99.7	100.4	96.1	96.1	93.3
85°	49.8	50.6	48.4	48.4	47.0
87.5°	17.1	17.8	17.1	17.1	16.4
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)