

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: P506903

Luminaire Tested: **24PD-90-PR1-L930**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506903
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-L930
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

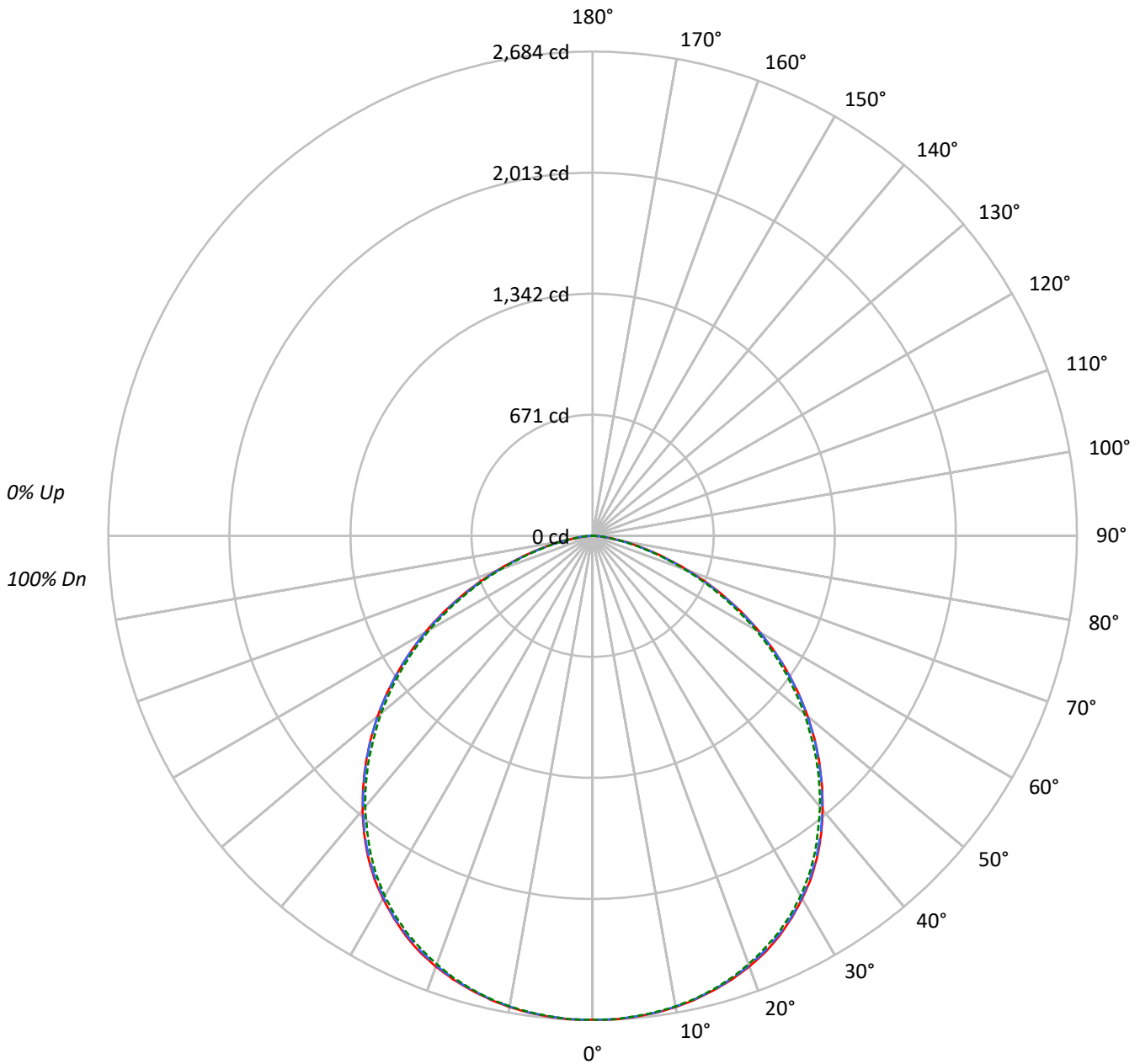
Lumens per Lamp: N/A
Luminaire Lumens: 7223.0 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	3610	3610	3610
5°	3616	3614	3612
10°	3624	3620	3619
15°	3631	3626	3622
20°	3638	3629	3618
25°	3634	3624	3609
30°	3610	3600	3581
35°	3566	3554	3526
40°	3483	3475	3444
45°	3381	3375	3337
50°	3255	3253	3204
55°	3095	3088	3030
60°	2884	2873	2808
65°	2599	2568	2508
70°	2219	2186	2132
75°	1754	1714	1675
80°	1246	1213	1175
85°	749	727	706



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.6	3.5
10°-20°	735.2	10.2
20°-30°	1123.9	15.6
30°-40°	1349.7	18.7
40°-50°	1364.0	18.9
50°-60°	1172.0	16.2
60°-70°	799.5	11.1
70°-80°	359.4	5.0
80°-90°	64.6	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°	2113.8	29.3
0°-40°	3463.5	48.0
0°-60°	5999.5	83.1
0°-90°	7223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7223.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2683	2683	2683	2683	2683	
5°	2677	2677	2676	2675	2675	255
15°	2607	2606	2603	2601	2600	736
25°	2448	2447	2441	2433	2431	1127
35°	2171	2171	2164	2151	2147	1355
45°	1777	1782	1774	1761	1754	1369
55°	1319	1324	1316	1305	1292	1177
65°	816	820	806	801	788	808
75°	337	340	330	328	322	366
85°	48	49	47	47	46	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2682.9	2682.9	2682.9	2682.9	2682.9
2.5°	2683.6	2682.9	2682.3	2680.9	2682.9
5°	2677.4	2676.7	2676.0	2674.6	2674.6
7.5°	2667.7	2666.3	2666.3	2664.2	2663.5
10°	2652.5	2651.8	2649.7	2649.7	2649.0
12.5°	2633.1	2631.7	2629.6	2628.9	2627.5
15°	2606.7	2606.0	2603.3	2601.2	2600.5
17.5°	2576.9	2574.9	2572.8	2567.9	2567.9
20°	2540.9	2539.5	2534.7	2529.8	2527.0
22.5°	2499.3	2496.6	2491.0	2486.2	2480.6
25°	2448.1	2447.4	2441.1	2432.8	2430.7
27.5°	2388.5	2389.8	2383.6	2375.3	2371.1
30°	2323.3	2326.1	2317.1	2306.7	2304.6
32.5°	2252.0	2252.7	2245.0	2233.9	2229.8
35°	2170.9	2170.9	2164.0	2150.8	2146.6
37.5°	2080.8	2080.1	2076.0	2060.7	2053.1
40°	1983.1	1986.6	1978.3	1964.4	1960.9
42.5°	1881.9	1886.1	1878.5	1866.7	1859.1
45°	1776.6	1781.5	1773.8	1761.4	1753.8
47.5°	1667.8	1671.3	1665.8	1649.8	1639.4
50°	1554.9	1561.8	1554.2	1537.6	1530.6
52.5°	1438.5	1446.1	1437.1	1424.6	1411.5
55°	1319.3	1324.2	1316.5	1304.7	1291.6
57.5°	1196.7	1206.4	1193.9	1180.0	1168.9
60°	1071.9	1080.2	1067.8	1055.3	1043.5
62.5°	945.1	950.7	936.8	929.2	915.3
65°	816.2	820.4	806.5	801.0	787.8
67.5°	688.8	692.2	679.1	671.4	663.8
70°	564.0	566.8	555.7	548.8	541.9
72.5°	446.2	446.9	436.5	434.5	426.1
75°	337.4	340.2	329.8	327.7	322.2
77.5°	242.5	243.2	236.3	234.9	230.0
80°	160.8	161.4	156.6	155.9	151.7
82.5°	97.0	97.7	93.5	93.5	90.8
85°	48.5	49.2	47.1	47.1	45.7
87.5°	16.6	17.3	16.6	16.6	15.9
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)