

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: P506635

Luminaire Tested: **24PD-40-PR1-L940**

Issue Date: 3/26/2021



**Test Information**

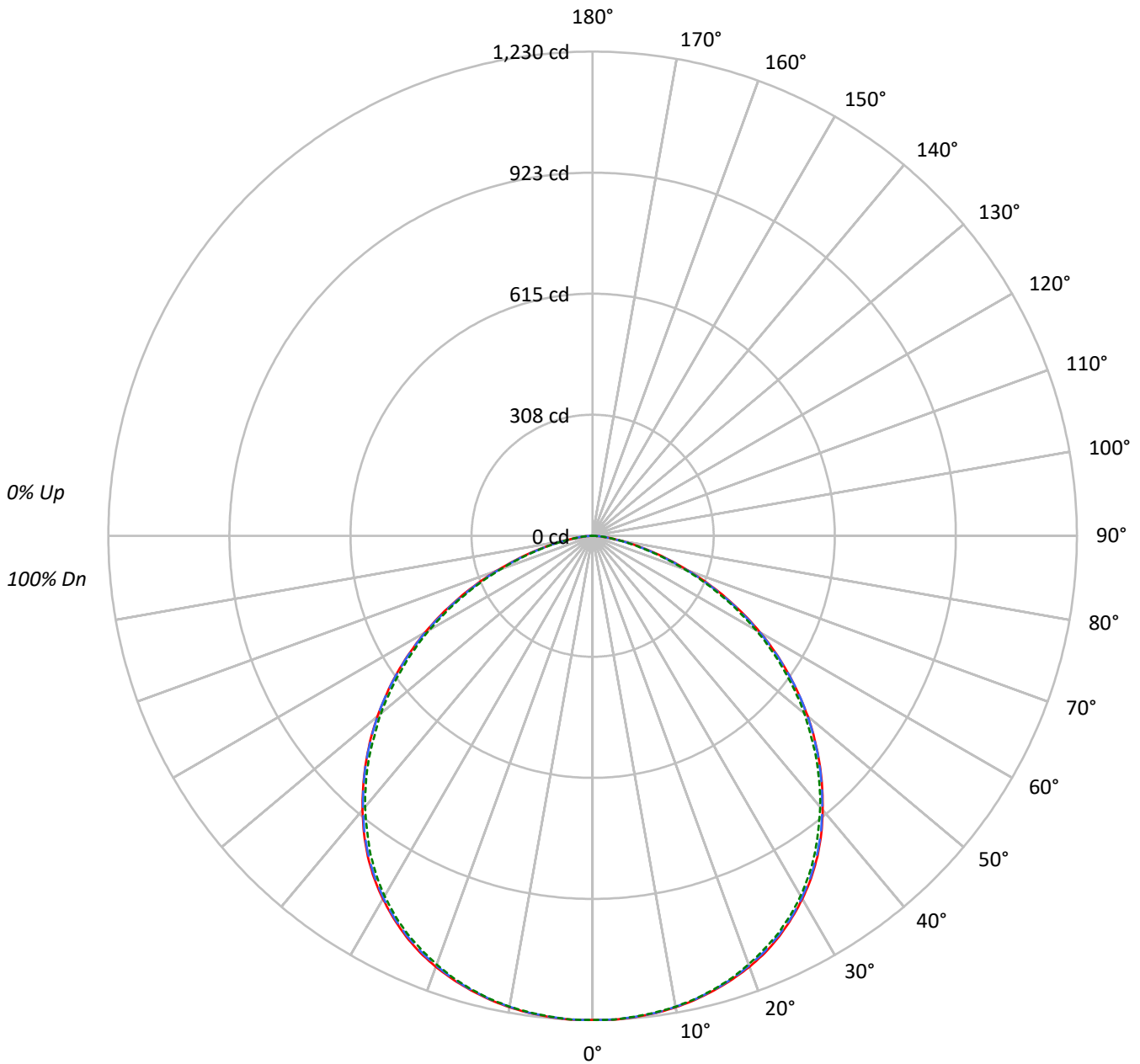
Test Method: LM-79-08  
Report Number: P506635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-40-PR1-L940  
Description: 4000 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: 3312.0 lumens  
Efficiency: N/A  
Efficacy: 112.7 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): 29.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	1655	1655	1655
5°	1658	1657	1656
10°	1662	1660	1660
15°	1665	1663	1661
20°	1668	1664	1659
25°	1666	1662	1655
30°	1655	1651	1642
35°	1635	1630	1617
40°	1597	1593	1579
45°	1550	1548	1530
50°	1492	1492	1469
55°	1419	1416	1389
60°	1323	1318	1288
65°	1192	1177	1150
70°	1017	1002	978
75°	804	786	768
80°	571	556	539
85°	343	333	324



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.8	3.5
10°-20°	337.1	10.2
20°-30°	515.4	15.6
30°-40°	618.9	18.7
40°-50°	625.4	18.9
50°-60°	537.4	16.2
60°-70°	366.6	11.1
70°-80°	164.8	5.0
80°-90°	29.6	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°	969.2	29.3
0°-40°	1588.1	48.0
0°-60°	2751.0	83.1
0°-90°	3312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3312.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1228	1227	1227	1226	1226	117
15°	1195	1195	1194	1193	1192	338
25°	1122	1122	1119	1116	1115	517
35°	995	995	992	986	984	621
45°	815	817	813	808	804	628
55°	605	607	604	598	592	540
65°	374	376	370	367	361	370
75°	155	156	151	150	148	168
85°	22	23	22	22	21	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1230.2	1230.2	1230.2	1230.2	1230.2
2.5°	1230.5	1230.2	1229.9	1229.3	1230.2
5°	1227.7	1227.4	1227.0	1226.4	1226.4
7.5°	1223.2	1222.6	1222.6	1221.6	1221.3
10°	1216.2	1215.9	1215.0	1215.0	1214.7
12.5°	1207.3	1206.7	1205.8	1205.4	1204.8
15°	1195.3	1195.0	1193.7	1192.7	1192.4
17.5°	1181.6	1180.7	1179.7	1177.5	1177.5
20°	1165.1	1164.5	1162.2	1160.0	1158.7
22.5°	1146.0	1144.8	1142.2	1140.0	1137.5
25°	1122.5	1122.2	1119.3	1115.5	1114.6
27.5°	1095.2	1095.8	1093.0	1089.2	1087.3
30°	1065.3	1066.6	1062.5	1057.7	1056.7
32.5°	1032.6	1032.9	1029.4	1024.3	1022.4
35°	995.4	995.4	992.3	986.2	984.3
37.5°	954.1	953.8	951.9	944.9	941.4
40°	909.3	910.9	907.1	900.7	899.2
42.5°	862.9	864.8	861.3	855.9	852.5
45°	814.6	816.9	813.4	807.7	804.2
47.5°	764.8	766.3	763.8	756.5	751.7
50°	713.0	716.1	712.7	705.0	701.9
52.5°	659.6	663.1	659.0	653.2	647.2
55°	604.9	607.2	603.7	598.3	592.2
57.5°	548.7	553.2	547.4	541.1	536.0
60°	491.5	495.3	489.6	483.9	478.5
62.5°	433.4	435.9	429.6	426.1	419.7
65°	374.3	376.2	369.8	367.3	361.3
67.5°	315.8	317.4	311.4	307.9	304.4
70°	258.6	259.9	254.8	251.6	248.5
72.5°	204.6	204.9	200.2	199.2	195.4
75°	154.7	156.0	151.2	150.3	147.7
77.5°	111.2	111.5	108.3	107.7	105.5
80°	73.7	74.0	71.8	71.5	69.6
82.5°	44.5	44.8	42.9	42.9	41.6
85°	22.2	22.6	21.6	21.6	21.0
87.5°	7.6	7.9	7.6	7.6	7.3
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)