

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: P506633

Luminaire Tested: **24PD-40-PR1-L930**

Issue Date: 3/26/2021



**Test Information**

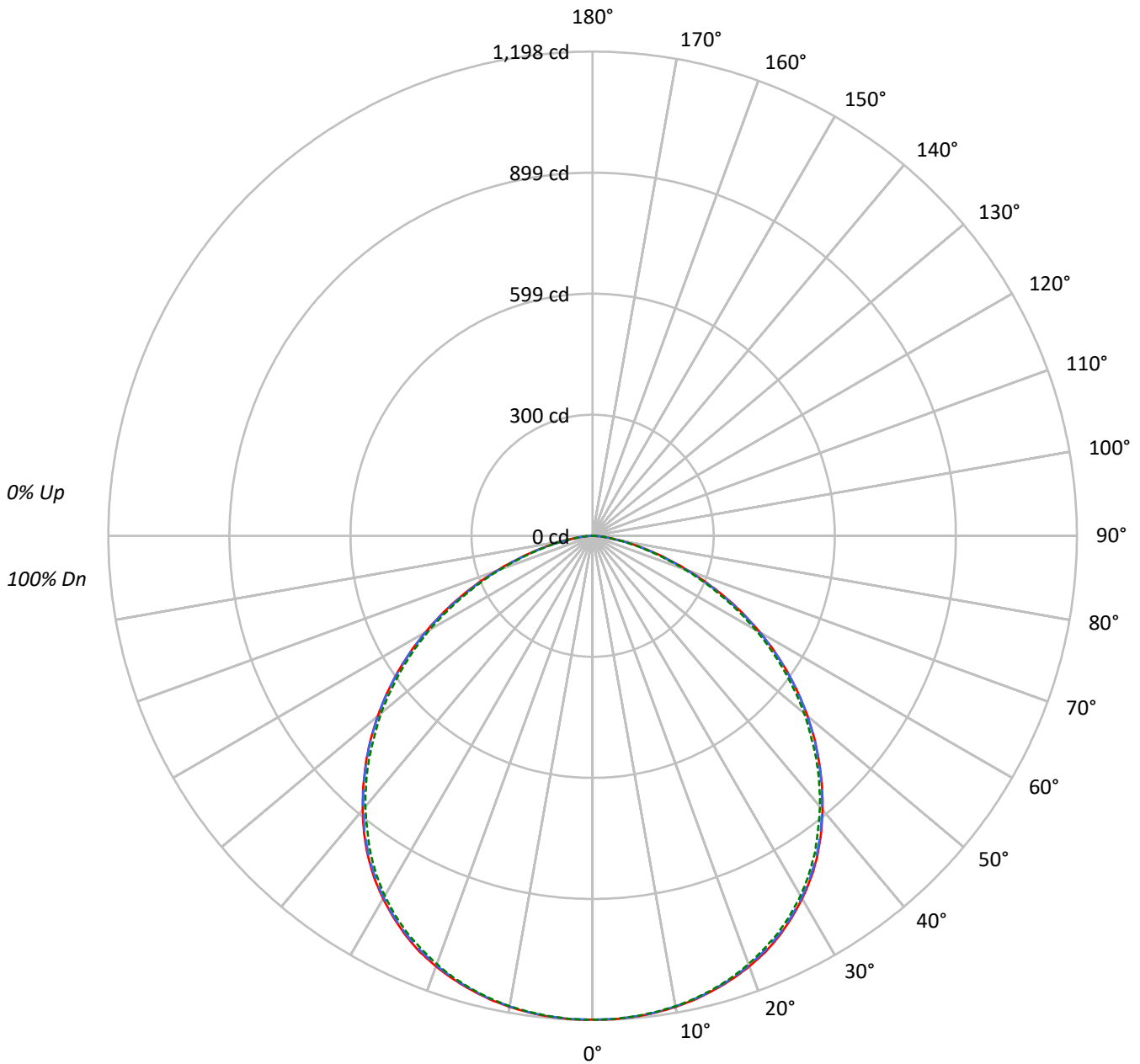
Test Method: LM-79-08  
Report Number: P506633  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-40-PR1-L930  
Description: 4000 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: 3223.0 lumens  
Efficiency: N/A  
Efficacy: 109.6 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): 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				20				20	
RC	80				70				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				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46				46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40				40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35				35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32				32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28				28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26				26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1611	1611	1611
5°	1614	1613	1612
10°	1617	1615	1615
15°	1620	1618	1616
20°	1623	1619	1615
25°	1622	1617	1610
30°	1611	1606	1598
35°	1591	1586	1573
40°	1554	1550	1537
45°	1509	1506	1489
50°	1452	1452	1430
55°	1381	1378	1352
60°	1287	1282	1253
65°	1160	1146	1119
70°	990	976	951
75°	783	765	748
80°	556	542	525
85°	333	324	315



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.6	3.5
10°-20°	328.1	10.2
20°-30°	501.5	15.6
30°-40°	602.3	18.7
40°-50°	608.6	18.9
50°-60°	523.0	16.2
60°-70°	356.7	11.1
70°-80°	160.4	5.0
80°-90°	28.8	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°	943.2	29.3
0°-40°	1545.5	48.0
0°-60°	2677.0	83.1
0°-90°	3223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3223.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1197	1197	1197	1197	1197	
5°	1195	1194	1194	1194	1194	114
15°	1163	1163	1162	1161	1160	329
25°	1092	1092	1089	1086	1085	503
35°	969	969	966	960	958	605
45°	793	795	792	786	782	611
55°	589	591	588	582	576	525
65°	364	366	360	357	352	360
75°	151	152	147	146	144	163
85°	22	22	21	21	20	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1197.2	1197.2	1197.2	1197.2	1197.2
2.5°	1197.5	1197.2	1196.9	1196.2	1197.2
5°	1194.7	1194.4	1194.1	1193.5	1193.5
7.5°	1190.4	1189.7	1189.7	1188.8	1188.5
10°	1183.6	1183.3	1182.3	1182.3	1182.0
12.5°	1174.9	1174.3	1173.4	1173.1	1172.4
15°	1163.2	1162.8	1161.6	1160.7	1160.4
17.5°	1149.9	1148.9	1148.0	1145.8	1145.8
20°	1133.8	1133.2	1131.0	1128.8	1127.6
22.5°	1115.2	1114.0	1111.5	1109.4	1106.9
25°	1092.4	1092.0	1089.3	1085.6	1084.6
27.5°	1065.8	1066.4	1063.6	1059.9	1058.0
30°	1036.7	1037.9	1033.9	1029.3	1028.4
32.5°	1004.9	1005.2	1001.8	996.8	995.0
35°	968.7	968.7	965.6	959.7	957.9
37.5°	928.5	928.2	926.3	919.5	916.1
40°	884.9	886.4	882.7	876.5	875.0
42.5°	839.7	841.6	838.2	832.9	829.5
45°	792.8	794.9	791.5	786.0	782.5
47.5°	744.2	745.8	743.3	736.2	731.5
50°	693.8	696.9	693.5	686.1	683.0
52.5°	641.9	645.3	641.3	635.7	629.8
55°	588.7	590.9	587.5	582.2	576.3
57.5°	534.0	538.3	532.7	526.5	521.6
60°	478.3	482.0	476.5	470.9	465.6
62.5°	421.7	424.2	418.0	414.6	408.4
65°	364.2	366.1	359.9	357.4	351.5
67.5°	307.3	308.9	303.0	299.6	296.2
70°	251.7	252.9	248.0	244.9	241.8
72.5°	199.1	199.4	194.8	193.9	190.1
75°	150.6	151.8	147.2	146.2	143.8
77.5°	108.2	108.5	105.4	104.8	102.6
80°	71.7	72.0	69.9	69.6	67.7
82.5°	43.3	43.6	41.7	41.7	40.5
85°	21.6	22.0	21.0	21.0	20.4
87.5°	7.4	7.7	7.4	7.4	7.1
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)