

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: P506577

Luminaire Tested: **24PD-30-PR1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506577
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-30-PR1-L850
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

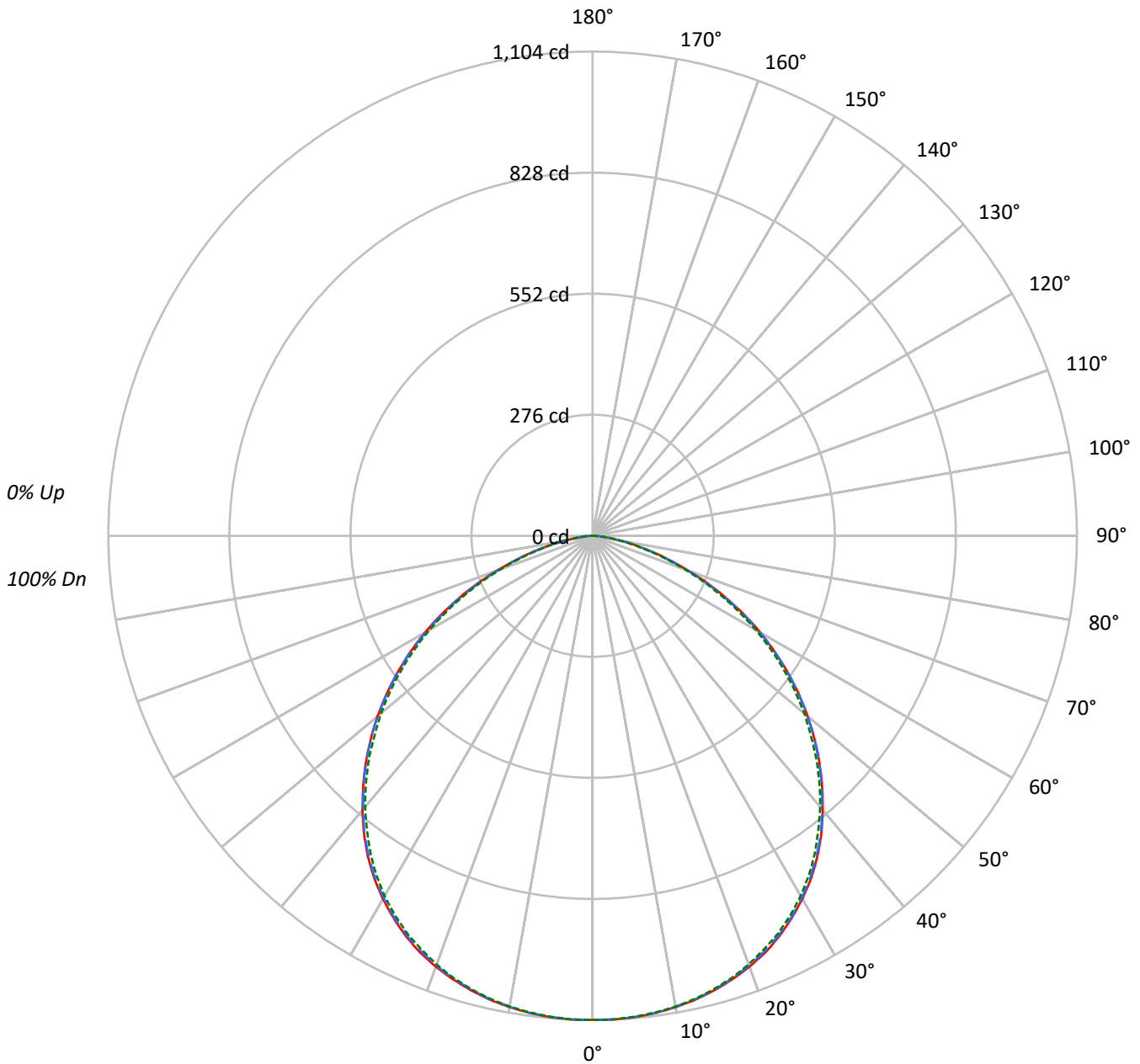
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2972.0 lumens
Efficiency: N/A
Efficacy: 139.5 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): 21.3
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°	1485	1485	1485
5°	1488	1487	1486
10°	1491	1489	1489
15°	1494	1492	1490
20°	1497	1493	1489
25°	1495	1491	1485
30°	1485	1481	1473
35°	1467	1463	1451
40°	1433	1430	1417
45°	1391	1389	1373
50°	1339	1339	1318
55°	1273	1271	1247
60°	1187	1182	1156
65°	1069	1057	1032
70°	913	900	877
75°	722	705	689
80°	512	499	483
85°	309	299	290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	3.5
10°-20°	302.5	10.2
20°-30°	462.5	15.6
30°-40°	555.4	18.7
40°-50°	561.2	18.9
50°-60°	482.2	16.2
60°-70°	329.0	11.1
70°-80°	147.9	5.0
80°-90°	26.6	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°	869.7	29.3
0°-40°	1425.1	48.0
0°-60°	2468.6	83.1
0°-90°	2972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2972.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1104	1104	1104	1104	1104	
5°	1102	1101	1101	1100	1100	105
15°	1073	1072	1071	1070	1070	303
25°	1007	1007	1004	1001	1000	464
35°	893	893	890	885	883	558
45°	731	733	730	725	722	563
55°	543	545	542	537	531	484
65°	336	338	332	330	324	332
75°	139	140	136	135	133	150
85°	20	20	19	19	19	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1103.9	1103.9	1103.9	1103.9	1103.9
2.5°	1104.2	1103.9	1103.6	1103.1	1103.9
5°	1101.7	1101.4	1101.1	1100.5	1100.5
7.5°	1097.7	1097.1	1097.1	1096.2	1096.0
10°	1091.4	1091.1	1090.2	1090.2	1090.0
12.5°	1083.4	1082.8	1082.0	1081.7	1081.1
15°	1072.6	1072.3	1071.1	1070.3	1070.0
17.5°	1060.3	1059.5	1058.6	1056.6	1056.6
20°	1045.5	1044.9	1042.9	1040.9	1039.8
22.5°	1028.4	1027.2	1025.0	1023.0	1020.7
25°	1007.3	1007.0	1004.4	1001.0	1000.2
27.5°	982.8	983.3	980.8	977.3	975.6
30°	956.0	957.1	953.4	949.1	948.3
32.5°	926.6	926.9	923.7	919.2	917.5
35°	893.2	893.2	890.4	885.0	883.3
37.5°	856.2	855.9	854.2	847.9	844.8
40°	816.0	817.4	814.0	808.3	806.9
42.5°	774.4	776.1	772.9	768.1	764.9
45°	731.0	733.0	729.9	724.7	721.6
47.5°	686.3	687.7	685.4	678.8	674.6
50°	639.8	642.6	639.5	632.7	629.8
52.5°	591.9	595.0	591.3	586.2	580.8
55°	542.8	544.8	541.7	536.9	531.4
57.5°	492.4	496.4	491.2	485.5	481.0
60°	441.1	444.5	439.3	434.2	429.4
62.5°	388.9	391.2	385.5	382.3	376.6
65°	335.9	337.6	331.9	329.6	324.2
67.5°	283.4	284.8	279.4	276.3	273.1
70°	232.1	233.2	228.7	225.8	223.0
72.5°	183.6	183.9	179.6	178.8	175.3
75°	138.8	140.0	135.7	134.9	132.6
77.5°	99.8	100.1	97.2	96.7	94.7
80°	66.1	66.4	64.4	64.1	62.4
82.5°	39.9	40.2	38.5	38.5	37.3
85°	20.0	20.2	19.4	19.4	18.8
87.5°	6.8	7.1	6.8	6.8	6.6
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)