

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: P506632

Luminaire Tested: **24PD-40-PR1-L927**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506632
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-L927
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

Summary

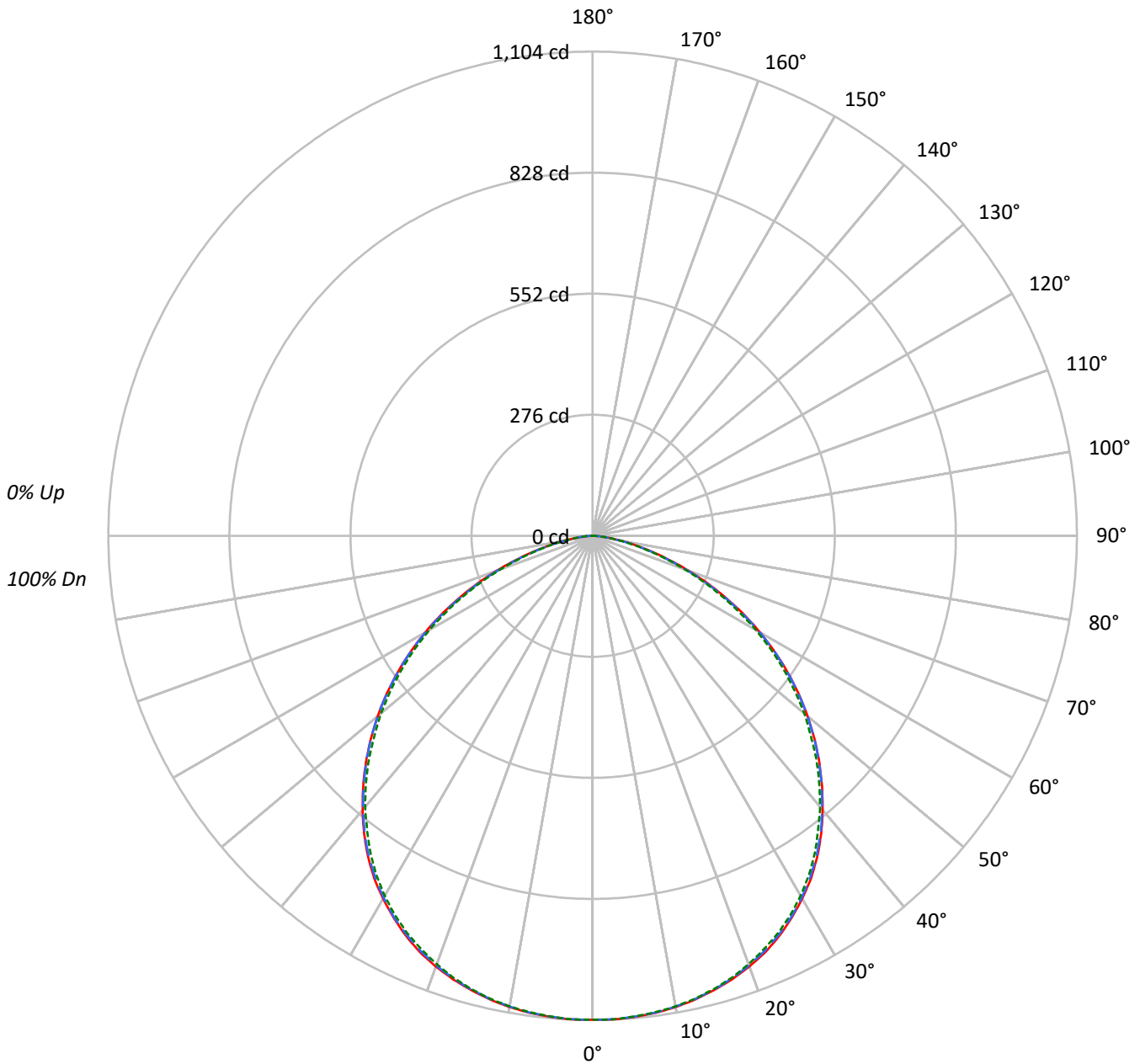
Lumens per Lamp: N/A
Luminaire Lumens: 2971.0 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.4
Input Voltage (V): NR
Input Current (A_{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°	1487	1487	1486
10°	1491	1489	1489
15°	1494	1492	1490
20°	1496	1493	1488
25°	1495	1491	1484
30°	1485	1481	1473
35°	1467	1462	1450
40°	1433	1429	1417
45°	1391	1388	1373
50°	1339	1338	1318
55°	1273	1270	1246
60°	1186	1182	1155
65°	1069	1056	1032
70°	913	899	877
75°	722	705	689
80°	512	499	483
85°	309	299	290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	3.5
10°-20°	302.4	10.2
20°-30°	462.3	15.6
30°-40°	555.2	18.7
40°-50°	561.0	18.9
50°-60°	482.1	16.2
60°-70°	328.8	11.1
70°-80°	147.8	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°	869.4	29.3
0°-40°	1424.6	48.0
0°-60°	2467.7	83.1
0°-90°	2971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2971.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1104	1104	1104	1104	1104	
5°	1101	1101	1101	1100	1100	105
15°	1072	1072	1071	1070	1070	303
25°	1007	1007	1004	1001	1000	464
35°	893	893	890	885	883	557
45°	731	733	730	724	721	563
55°	543	545	542	537	531	484
65°	336	338	332	330	324	332
75°	139	140	136	135	132	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°	1103.6	1103.6	1103.6	1103.6	1103.6
2.5°	1103.8	1103.6	1103.3	1102.7	1103.6
5°	1101.3	1101.0	1100.7	1100.1	1100.1
7.5°	1097.3	1096.7	1096.7	1095.9	1095.6
10°	1091.0	1090.7	1089.9	1089.9	1089.6
12.5°	1083.0	1082.5	1081.6	1081.3	1080.8
15°	1072.2	1071.9	1070.8	1069.9	1069.6
17.5°	1060.0	1059.1	1058.2	1056.3	1056.3
20°	1045.1	1044.6	1042.6	1040.6	1039.4
22.5°	1028.0	1026.9	1024.6	1022.6	1020.3
25°	1006.9	1006.7	1004.1	1000.7	999.8
27.5°	982.4	983.0	980.4	977.0	975.3
30°	955.6	956.8	953.1	948.8	947.9
32.5°	926.3	926.6	923.4	918.9	917.2
35°	892.9	892.9	890.1	884.7	883.0
37.5°	855.9	855.6	853.9	847.6	844.5
40°	815.7	817.1	813.7	808.0	806.6
42.5°	774.1	775.8	772.7	767.8	764.7
45°	730.8	732.8	729.6	724.5	721.4
47.5°	686.0	687.4	685.2	678.6	674.3
50°	639.6	642.4	639.3	632.4	629.6
52.5°	591.7	594.8	591.1	586.0	580.6
55°	542.7	544.7	541.5	536.7	531.3
57.5°	492.2	496.2	491.1	485.4	480.8
60°	440.9	444.3	439.2	434.1	429.2
62.5°	388.8	391.0	385.3	382.2	376.5
65°	335.7	337.5	331.8	329.5	324.1
67.5°	283.3	284.7	279.3	276.2	273.0
70°	232.0	233.1	228.6	225.7	222.9
72.5°	183.5	183.8	179.6	178.7	175.3
75°	138.8	139.9	135.7	134.8	132.5
77.5°	99.8	100.0	97.2	96.6	94.6
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)