

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: P506636

Luminaire Tested: **24PD-40-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506636
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-L950
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

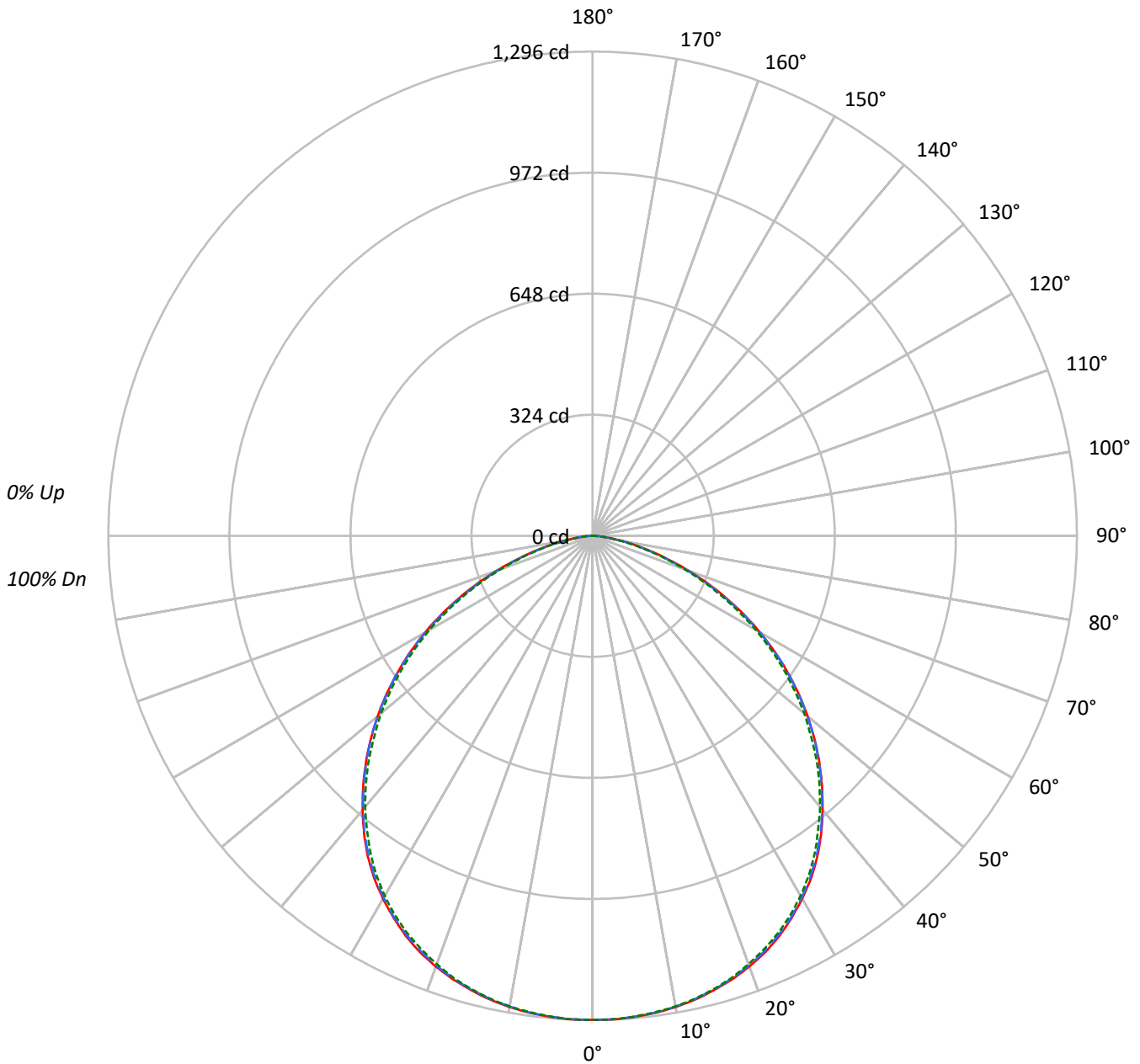
Lumens per Lamp: N/A
Luminaire Lumens: 3488.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.4
Input Voltage (V): NR
Input Current (A_{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°	1743	1743	1743
5°	1746	1745	1744
10°	1750	1748	1748
15°	1753	1751	1749
20°	1757	1753	1747
25°	1755	1750	1743
30°	1743	1738	1729
35°	1722	1716	1703
40°	1682	1678	1663
45°	1632	1630	1611
50°	1572	1571	1547
55°	1495	1491	1463
60°	1393	1387	1356
65°	1255	1240	1211
70°	1072	1056	1030
75°	847	828	809
80°	601	586	568
85°	361	352	341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	3.5
10°-20°	355.0	10.2
20°-30°	542.8	15.6
30°-40°	651.8	18.7
40°-50°	658.7	18.9
50°-60°	566.0	16.2
60°-70°	386.1	11.1
70°-80°	173.6	5.0
80°-90°	31.2	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°	1020.7	29.3
0°-40°	1672.5	48.0
0°-60°	2897.1	83.1
0°-90°	3488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3488.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1296	1296	1296	1296	1296	
5°	1293	1293	1292	1292	1292	123
15°	1259	1258	1257	1256	1256	356
25°	1182	1182	1179	1175	1174	544
35°	1048	1048	1045	1039	1037	655
45°	858	860	857	851	847	661
55°	637	639	636	630	624	569
65°	394	396	390	387	380	390
75°	163	164	159	158	156	177
85°	23	24	23	23	22	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1295.6	1295.6	1295.6	1295.6	1295.6
2.5°	1295.9	1295.6	1295.3	1294.6	1295.6
5°	1292.9	1292.6	1292.3	1291.6	1291.6
7.5°	1288.2	1287.6	1287.6	1286.6	1286.2
10°	1280.9	1280.5	1279.5	1279.5	1279.2
12.5°	1271.5	1270.8	1269.8	1269.5	1268.8
15°	1258.8	1258.5	1257.1	1256.1	1255.8
17.5°	1244.4	1243.4	1242.4	1240.1	1240.1
20°	1227.0	1226.3	1224.0	1221.7	1220.3
22.5°	1206.9	1205.6	1202.9	1200.6	1197.9
25°	1182.2	1181.8	1178.8	1174.8	1173.8
27.5°	1153.4	1154.1	1151.0	1147.0	1145.0
30°	1121.9	1123.3	1118.9	1113.9	1112.9
32.5°	1087.5	1087.8	1084.1	1078.8	1076.8
35°	1048.3	1048.3	1045.0	1038.6	1036.6
37.5°	1004.8	1004.5	1002.5	995.1	991.4
40°	957.6	959.3	955.3	948.6	946.9
42.5°	908.8	910.8	907.1	901.4	897.8
45°	857.9	860.3	856.6	850.6	846.9
47.5°	805.4	807.1	804.4	796.7	791.7
50°	750.9	754.2	750.5	742.5	739.1
52.5°	694.6	698.3	694.0	688.0	681.6
55°	637.1	639.4	635.8	630.1	623.7
57.5°	577.9	582.6	576.5	569.8	564.5
60°	517.6	521.7	515.6	509.6	503.9
62.5°	456.4	459.1	452.4	448.7	442.0
65°	394.2	396.2	389.5	386.8	380.4
67.5°	332.6	334.3	327.9	324.2	320.6
70°	272.4	273.7	268.4	265.0	261.7
72.5°	215.5	215.8	210.8	209.8	205.8
75°	163.0	164.3	159.3	158.3	155.6
77.5°	117.1	117.4	114.1	113.4	111.1
80°	77.6	78.0	75.6	75.3	73.3
82.5°	46.8	47.2	45.2	45.2	43.8
85°	23.4	23.8	22.8	22.8	22.1
87.5°	8.0	8.4	8.0	8.0	7.7
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)