

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: P506628

Luminaire Tested: **24PD-40-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506628
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-L830
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

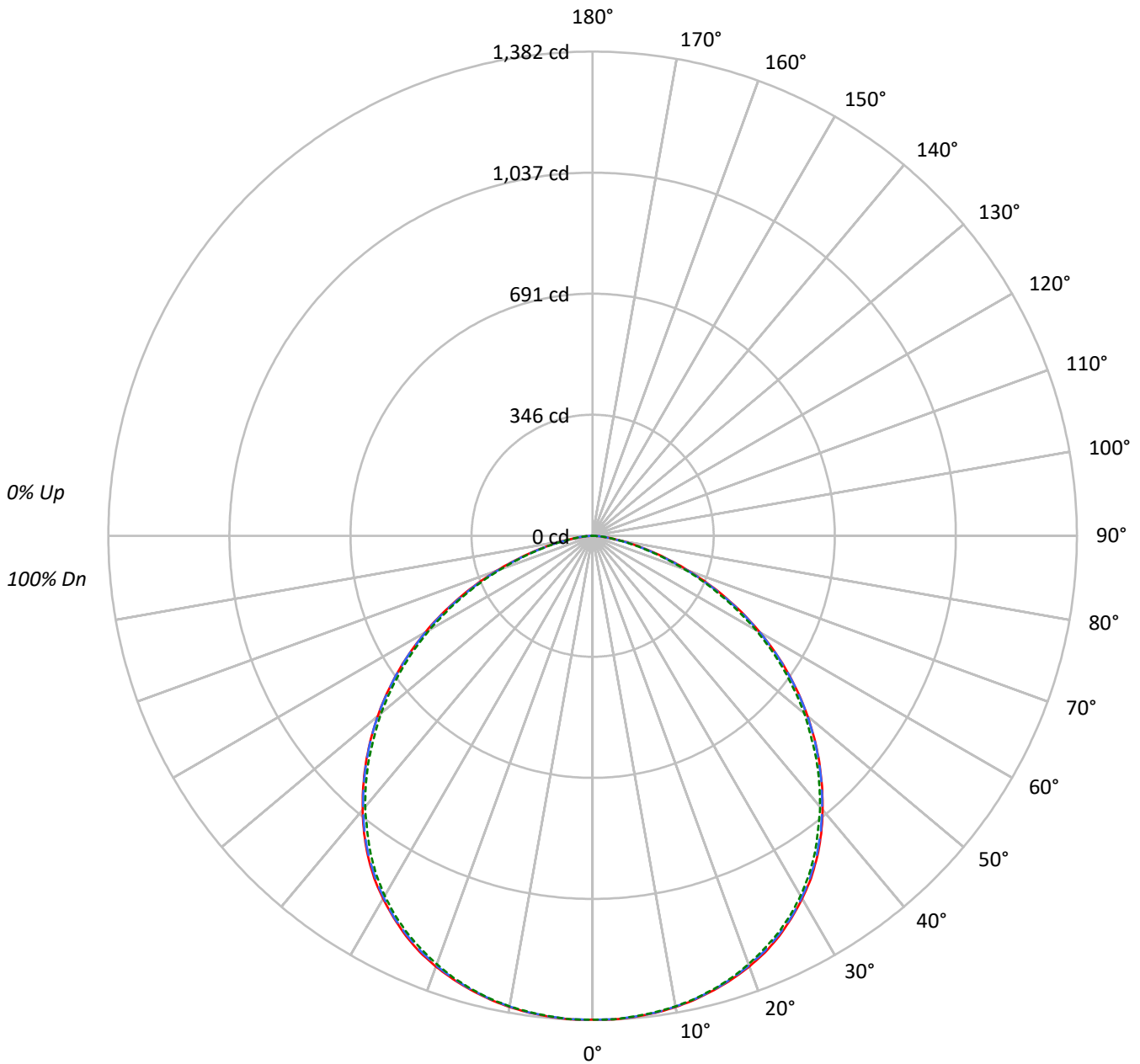
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3719.0 lumens
Efficiency: N/A
Efficacy: 126.5 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): 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				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°	1859	1859	1859
5°	1862	1861	1860
10°	1866	1864	1863
15°	1870	1867	1865
20°	1873	1869	1863
25°	1871	1866	1858
30°	1858	1853	1844
35°	1836	1830	1815
40°	1793	1789	1773
45°	1741	1738	1718
50°	1676	1675	1650
55°	1593	1590	1560
60°	1485	1480	1446
65°	1338	1322	1291
70°	1142	1126	1098
75°	903	883	862
80°	642	625	605
85°	386	375	363



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	3.5
10°-20°	378.5	10.2
20°-30°	578.7	15.6
30°-40°	694.9	18.7
40°-50°	702.3	18.9
50°-60°	603.4	16.2
60°-70°	411.6	11.1
70°-80°	185.1	5.0
80°-90°	33.3	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°	1088.4	29.3
0°-40°	1783.3	48.0
0°-60°	3089.0	83.1
0°-90°	3719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3719.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1381	1381	1381	1381	1381	
5°	1378	1378	1378	1377	1377	131
15°	1342	1342	1340	1339	1339	379
25°	1260	1260	1257	1253	1252	580
35°	1118	1118	1114	1107	1105	698
45°	915	917	913	907	903	705
55°	679	682	678	672	665	606
65°	420	422	415	412	406	416
75°	174	175	170	169	166	188
85°	25	25	24	24	24	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1381.4	1381.4	1381.4	1381.4	1381.4
2.5°	1381.8	1381.4	1381.0	1380.3	1381.4
5°	1378.5	1378.2	1377.8	1377.1	1377.1
7.5°	1373.6	1372.8	1372.8	1371.8	1371.4
10°	1365.7	1365.3	1364.3	1364.3	1363.9
12.5°	1355.7	1355.0	1353.9	1353.6	1352.9
15°	1342.2	1341.8	1340.4	1339.3	1338.9
17.5°	1326.8	1325.7	1324.7	1322.2	1322.2
20°	1308.3	1307.6	1305.1	1302.6	1301.1
22.5°	1286.9	1285.4	1282.6	1280.1	1277.2
25°	1260.5	1260.1	1256.9	1252.6	1251.5
27.5°	1229.8	1230.5	1227.3	1223.0	1220.9
30°	1196.2	1197.7	1193.0	1187.7	1186.6
32.5°	1159.5	1159.9	1155.9	1150.2	1148.1
35°	1117.8	1117.8	1114.2	1107.4	1105.3
37.5°	1071.4	1071.0	1068.9	1061.0	1057.1
40°	1021.1	1022.9	1018.6	1011.4	1009.7
42.5°	969.0	971.1	967.2	961.1	957.2
45°	914.8	917.2	913.3	906.9	903.0
47.5°	858.7	860.5	857.7	849.5	844.1
50°	800.6	804.2	800.2	791.7	788.1
52.5°	740.6	744.6	739.9	733.5	726.7
55°	679.3	681.8	677.9	671.8	665.0
57.5°	616.1	621.1	614.7	607.6	601.9
60°	551.9	556.2	549.8	543.4	537.3
62.5°	486.6	489.5	482.3	478.4	471.3
65°	420.3	422.4	415.3	412.4	405.6
67.5°	354.6	356.4	349.6	345.7	341.8
70°	290.4	291.8	286.1	282.6	279.0
72.5°	229.8	230.1	224.8	223.7	219.4
75°	173.7	175.2	169.8	168.8	165.9
77.5°	124.9	125.2	121.7	120.9	118.4
80°	82.8	83.1	80.6	80.3	78.1
82.5°	49.9	50.3	48.2	48.2	46.7
85°	25.0	25.3	24.3	24.3	23.5
87.5°	8.6	8.9	8.6	8.6	8.2
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)