

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: P506621

Luminaire Tested: **24PD-40-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506621
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-40-PL1-L840
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

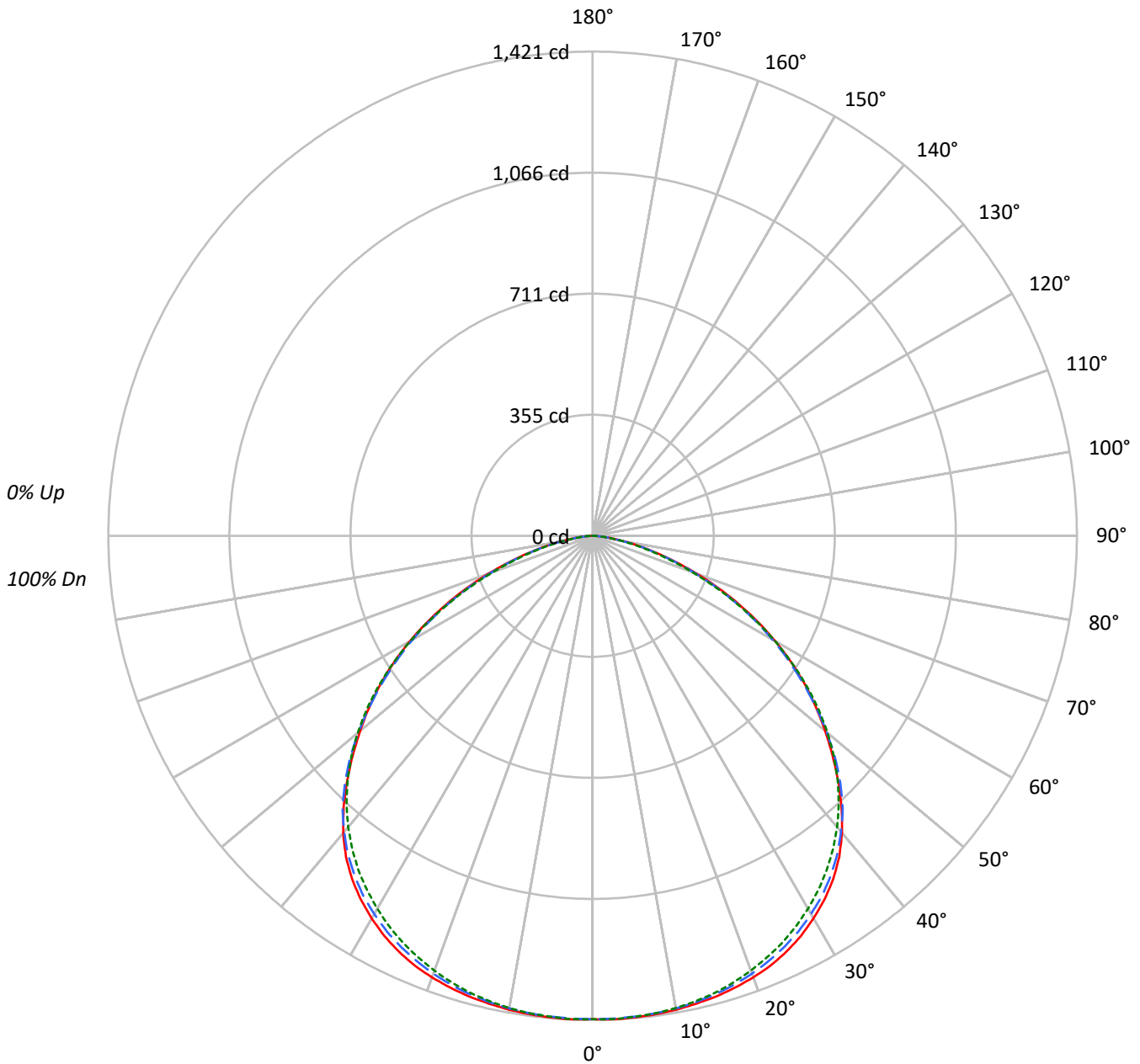
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4070.3 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52				52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39				39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35				35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1909	1909	1909
5°	1916	1913	1914
10°	1930	1924	1923
15°	1950	1940	1934
20°	1974	1958	1944
25°	1999	1976	1956
30°	2014	1991	1963
35°	2021	2001	1967
40°	1999	1992	1960
45°	1938	1956	1935
50°	1863	1877	1883
55°	1783	1769	1795
60°	1668	1640	1661
65°	1500	1471	1470
70°	1278	1249	1220
75°	1006	984	943
80°	720	698	659
85°	426	420	391



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.0	3.3
10°-20°	393.8	9.7
20°-30°	613.9	15.1
30°-40°	759.7	18.7
40°-50°	787.5	19.3
50°-60°	678.1	16.7
60°-70°	460.1	11.3
70°-80°	205.3	5.0
80°-90°	36.9	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°	1142.8	28.1
0°-40°	1902.4	46.7
0°-60°	3368.0	82.7
0°-90°	4070.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4070.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1419	1419	1419	1419	1419	
5°	1419	1417	1416	1416	1417	135
15°	1400	1396	1393	1390	1389	396
25°	1346	1341	1331	1321	1318	621
35°	1230	1227	1218	1205	1198	768
45°	1019	1023	1028	1024	1017	785
55°	760	760	754	763	765	678
65°	471	473	462	457	462	466
75°	194	195	189	185	181	210
85°	28	28	27	27	25	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1418.9	1418.9	1418.9	1418.9	1418.9
2.5°	1420.8	1417.7	1418.1	1418.5	1420.0
5°	1418.9	1416.9	1416.5	1416.5	1416.9
7.5°	1416.5	1414.2	1413.8	1413.4	1413.4
10°	1412.3	1409.9	1408.4	1407.6	1407.2
12.5°	1406.4	1403.7	1401.8	1400.2	1399.1
15°	1399.8	1395.9	1392.8	1389.7	1388.6
17.5°	1390.5	1387.0	1381.6	1376.5	1374.6
20°	1378.8	1375.4	1367.6	1360.6	1357.9
22.5°	1365.3	1360.2	1350.5	1342.7	1338.8
25°	1346.2	1341.2	1331.1	1321.3	1317.5
27.5°	1324.1	1319.4	1308.5	1296.9	1292.2
30°	1296.5	1293.4	1281.7	1268.9	1263.8
32.5°	1265.8	1262.7	1252.6	1238.2	1232.4
35°	1230.4	1226.9	1218.0	1204.8	1197.8
37.5°	1188.5	1187.3	1178.8	1165.2	1158.6
40°	1138.4	1140.7	1134.1	1122.4	1115.8
42.5°	1081.2	1086.3	1086.3	1075.4	1068.8
45°	1018.7	1023.4	1028.0	1024.1	1016.8
47.5°	954.6	959.6	965.1	966.6	960.4
50°	890.1	893.2	896.7	903.7	899.8
52.5°	826.0	827.2	826.0	835.3	834.5
55°	759.9	760.3	754.1	762.7	765.4
57.5°	691.2	692.3	682.2	686.9	692.7
60°	619.7	620.9	609.6	610.4	617.4
62.5°	545.9	547.4	536.2	533.4	539.7
65°	471.3	473.2	461.9	456.9	461.6
67.5°	397.1	399.4	388.9	382.7	383.9
70°	324.8	326.7	317.4	311.6	310.0
72.5°	256.0	258.0	250.6	244.8	242.0
75°	193.5	195.0	189.2	184.9	181.4
77.5°	139.1	140.3	135.6	132.5	129.0
80°	92.9	93.2	90.1	88.2	85.1
82.5°	55.6	55.9	54.0	53.2	50.9
85°	27.6	28.0	27.2	27.2	25.3
87.5°	9.7	9.3	9.7	9.7	8.5
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)