

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: P506689

Luminaire Tested: **24PD-50-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506689
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-50-PR1-L940
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

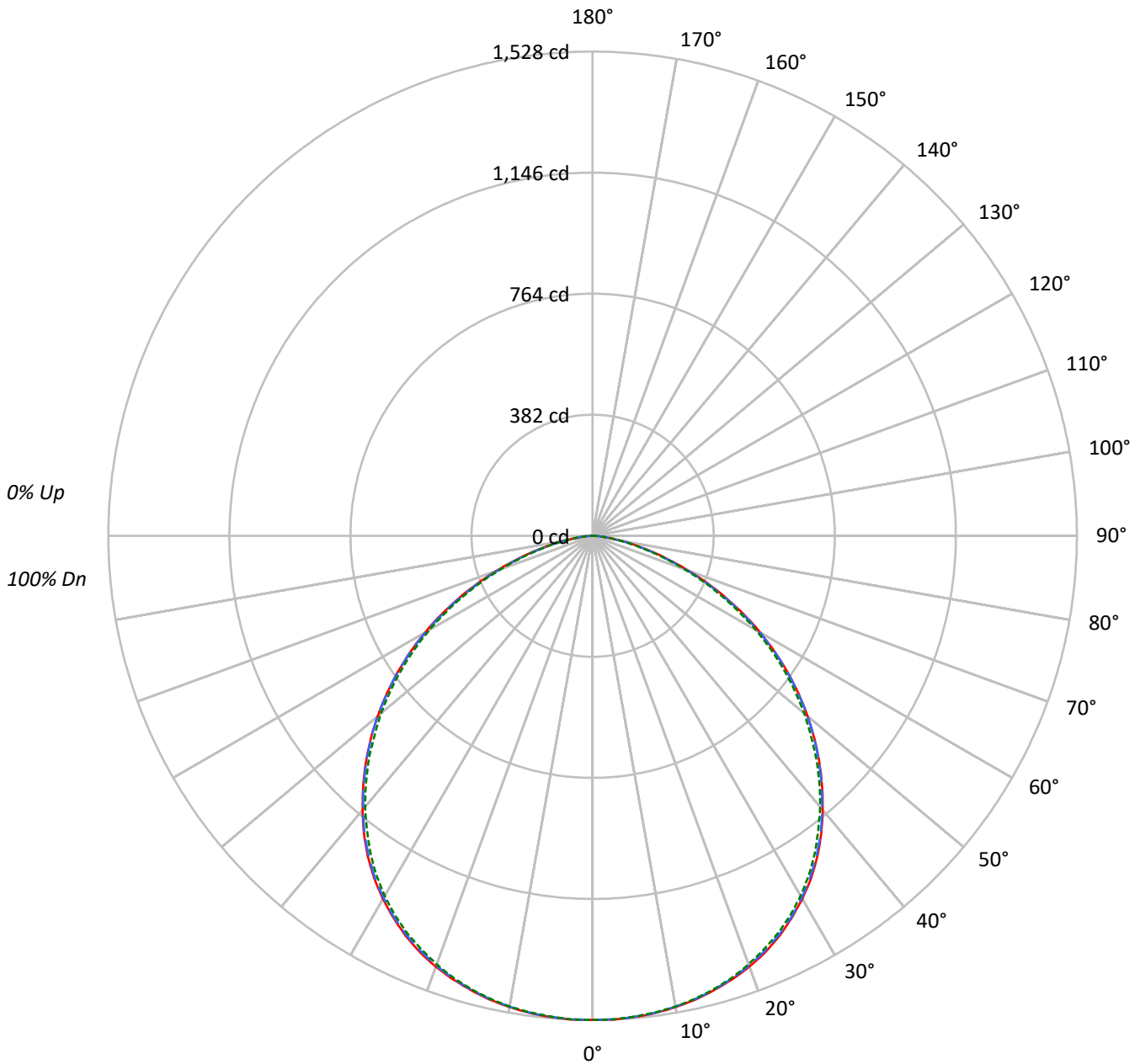
Lumens per Lamp: N/A
Luminaire Lumens: 4113.0 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.1
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°	2056	2056	2056
5°	2059	2058	2057
10°	2064	2061	2061
15°	2068	2065	2063
20°	2072	2067	2060
25°	2070	2064	2055
30°	2055	2050	2039
35°	2031	2024	2008
40°	1983	1979	1961
45°	1925	1922	1900
50°	1853	1852	1824
55°	1762	1759	1725
60°	1643	1636	1599
65°	1480	1462	1428
70°	1264	1245	1214
75°	999	976	954
80°	709	691	669
85°	426	414	401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	3.5
10°-20°	418.7	10.2
20°-30°	640.0	15.6
30°-40°	768.6	18.7
40°-50°	776.7	18.9
50°-60°	667.4	16.2
60°-70°	455.2	11.1
70°-80°	204.7	5.0
80°-90°	36.8	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°	1203.7	29.3
0°-40°	1972.2	48.0
0°-60°	3416.3	83.1
0°-90°	4113.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4113.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1525	1524	1524	1523	1523	145
15°	1484	1484	1482	1481	1481	419
25°	1394	1394	1390	1385	1384	642
35°	1236	1236	1232	1225	1222	772
45°	1012	1014	1010	1003	999	780
55°	751	754	750	743	736	670
65°	465	467	459	456	449	460
75°	192	194	188	187	184	208
85°	28	28	27	27	26	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1527.8	1527.8	1527.8	1527.8	1527.8
2.5°	1528.1	1527.8	1527.4	1526.6	1527.8
5°	1524.6	1524.2	1523.8	1523.0	1523.0
7.5°	1519.1	1518.3	1518.3	1517.1	1516.7
10°	1510.4	1510.0	1508.8	1508.8	1508.4
12.5°	1499.3	1498.6	1497.4	1497.0	1496.2
15°	1484.4	1484.0	1482.4	1481.2	1480.8
17.5°	1467.4	1466.2	1465.0	1462.3	1462.3
20°	1446.9	1446.1	1443.3	1440.6	1439.0
22.5°	1423.2	1421.6	1418.5	1415.7	1412.5
25°	1394.0	1393.6	1390.1	1385.3	1384.1
27.5°	1360.1	1360.9	1357.3	1352.6	1350.2
30°	1323.0	1324.6	1319.4	1313.5	1312.3
32.5°	1282.3	1282.7	1278.4	1272.1	1269.7
35°	1236.2	1236.2	1232.2	1224.7	1222.4
37.5°	1184.9	1184.5	1182.1	1173.4	1169.1
40°	1129.2	1131.2	1126.5	1118.6	1116.6
42.5°	1071.6	1074.0	1069.7	1063.0	1058.6
45°	1011.7	1014.4	1010.1	1003.0	998.6
47.5°	949.7	951.7	948.5	939.5	933.5
50°	885.4	889.3	885.0	875.5	871.6
52.5°	819.1	823.5	818.3	811.2	803.7
55°	751.3	754.0	749.7	743.0	735.5
57.5°	681.4	686.9	679.8	671.9	665.6
60°	610.4	615.1	608.0	600.9	594.2
62.5°	538.2	541.3	533.5	529.1	521.2
65°	464.8	467.2	459.3	456.1	448.6
67.5°	392.2	394.2	386.7	382.3	378.0
70°	321.2	322.8	316.4	312.5	308.5
72.5°	254.1	254.5	248.6	247.4	242.7
75°	192.2	193.7	187.8	186.6	183.5
77.5°	138.1	138.5	134.5	133.8	131.0
80°	91.5	91.9	89.2	88.8	86.4
82.5°	55.2	55.6	53.3	53.3	51.7
85°	27.6	28.0	26.8	26.8	26.0
87.5°	9.5	9.9	9.5	9.5	9.1
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)