

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: P506683

Luminaire Tested: **24PD-50-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506683
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-L835
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

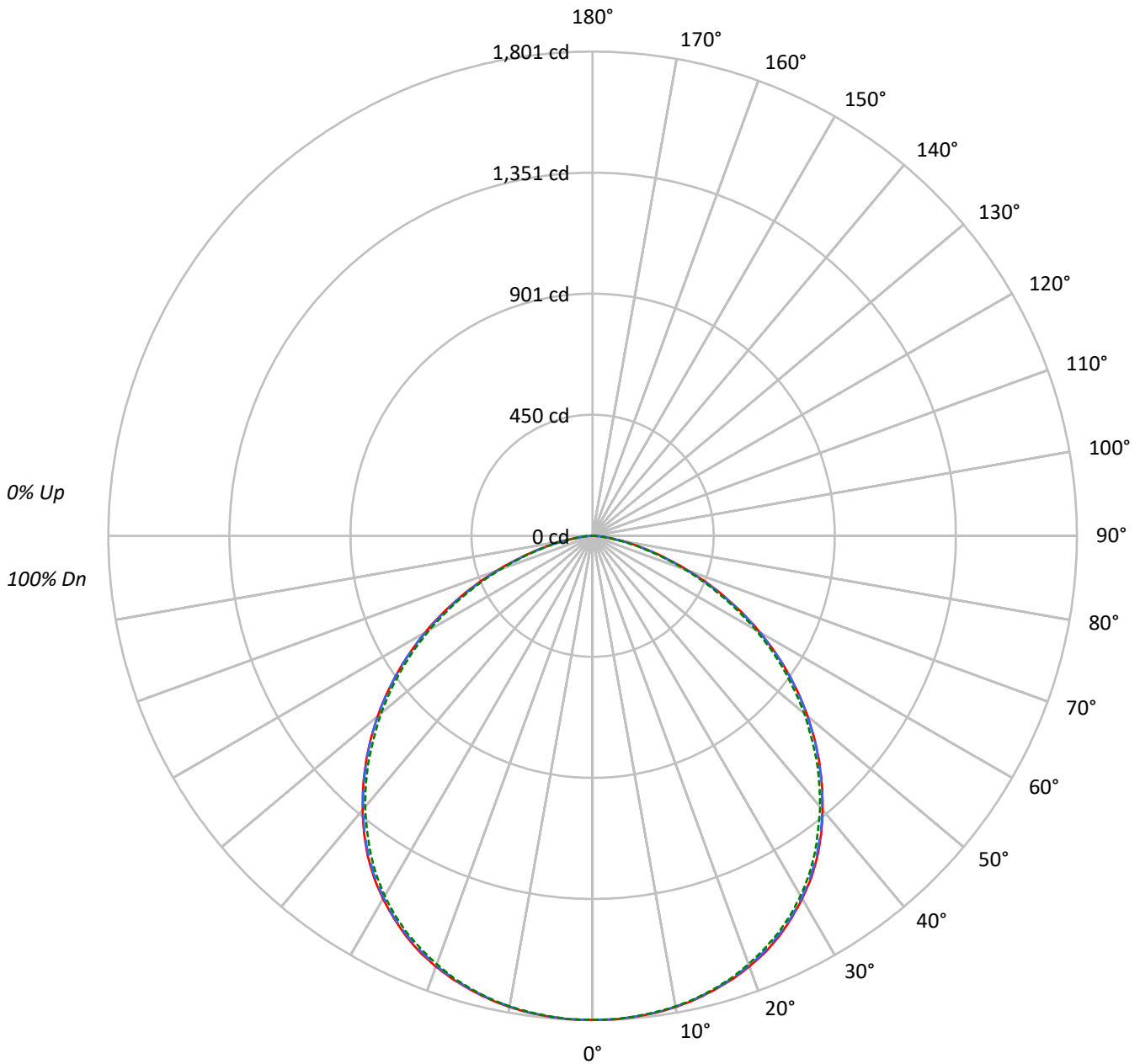
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4847.0 lumens
Efficiency: N/A
Efficacy: 130.6 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): 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°	2422	2422	2422
5°	2427	2425	2424
10°	2432	2429	2429
15°	2437	2433	2431
20°	2441	2435	2428
25°	2439	2432	2422
30°	2422	2416	2403
35°	2393	2385	2366
40°	2337	2332	2311
45°	2269	2265	2239
50°	2184	2183	2150
55°	2077	2073	2033
60°	1936	1928	1884
65°	1744	1723	1683
70°	1489	1467	1430
75°	1177	1150	1124
80°	836	814	789
85°	502	488	474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.9	3.5
10°-20°	493.4	10.2
20°-30°	754.2	15.6
30°-40°	905.7	18.7
40°-50°	915.3	18.9
50°-60°	786.5	16.2
60°-70°	536.5	11.1
70°-80°	241.2	5.0
80°-90°	43.4	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°	1418.4	29.3
0°-40°	2324.2	48.0
0°-60°	4025.9	83.1
0°-90°	4847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4847.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1800	1800	1800	1800	1800	
5°	1797	1796	1796	1795	1795	171
15°	1749	1749	1747	1746	1745	494
25°	1643	1642	1638	1632	1631	757
35°	1457	1457	1452	1443	1440	910
45°	1192	1196	1190	1182	1177	919
55°	885	889	884	876	867	790
65°	548	550	541	538	529	542
75°	226	228	221	220	216	245
85°	32	33	32	32	31	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1800.4	1800.4	1800.4	1800.4	1800.4
2.5°	1800.9	1800.4	1799.9	1799.0	1800.4
5°	1796.7	1796.2	1795.7	1794.8	1794.8
7.5°	1790.2	1789.2	1789.2	1787.8	1787.4
10°	1779.9	1779.5	1778.1	1778.1	1777.6
12.5°	1766.9	1766.0	1764.6	1764.1	1763.2
15°	1749.2	1748.8	1746.9	1745.5	1745.1
17.5°	1729.3	1727.9	1726.5	1723.2	1723.2
20°	1705.1	1704.1	1700.9	1697.6	1695.8
22.5°	1677.2	1675.3	1671.6	1668.3	1664.6
25°	1642.8	1642.3	1638.1	1632.5	1631.1
27.5°	1602.8	1603.7	1599.5	1593.9	1591.2
30°	1559.1	1560.9	1554.9	1547.9	1546.5
32.5°	1511.2	1511.6	1506.5	1499.1	1496.3
35°	1456.8	1456.8	1452.1	1443.3	1440.5
37.5°	1396.3	1395.9	1393.1	1382.8	1377.7
40°	1330.8	1333.1	1327.5	1318.2	1315.9
42.5°	1262.9	1265.7	1260.6	1252.7	1247.5
45°	1192.2	1195.5	1190.3	1182.0	1176.9
47.5°	1119.2	1121.5	1117.8	1107.1	1100.1
50°	1043.4	1048.1	1042.9	1031.8	1027.1
52.5°	965.3	970.4	964.4	956.0	947.2
55°	885.3	888.6	883.5	875.6	866.7
57.5°	803.0	809.5	801.2	791.9	784.4
60°	719.3	724.9	716.5	708.2	700.3
62.5°	634.2	637.9	628.6	623.5	614.2
65°	547.7	550.5	541.2	537.5	528.7
67.5°	462.2	464.5	455.7	450.6	445.4
70°	378.5	380.4	372.9	368.3	363.6
72.5°	299.4	299.9	292.9	291.5	286.0
75°	226.4	228.3	221.3	219.9	216.2
77.5°	162.7	163.2	158.6	157.6	154.4
80°	107.9	108.3	105.1	104.6	101.8
82.5°	65.1	65.6	62.8	62.8	60.9
85°	32.5	33.0	31.6	31.6	30.7
87.5°	11.2	11.6	11.2	11.2	10.7
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)