

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: P506793

Luminaire Tested: **24PD-70-PR1-L850**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506793
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-70-PR1-L850
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

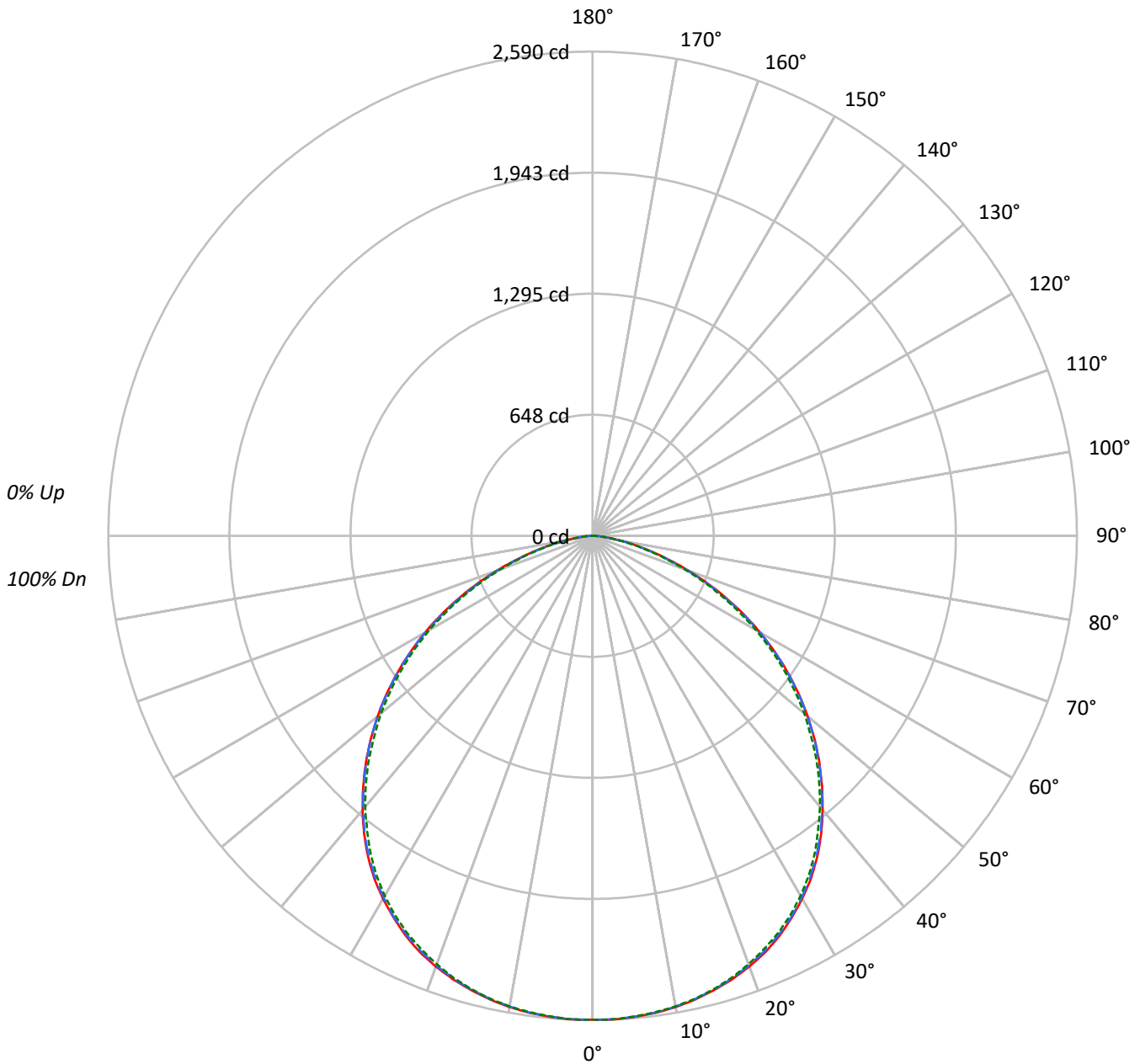
Lumens per Lamp: N/A
Luminaire Lumens: 6970.0 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51.5
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

TEST NUMBER: P506793

CATALOG NUMBER: 24PD-70-PR1-L850

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°	3483	3483	3483
5°	3489	3488	3486
10°	3497	3493	3492
15°	3504	3499	3495
20°	3511	3502	3492
25°	3507	3497	3482
30°	3483	3474	3455
35°	3441	3430	3402
40°	3361	3353	3323
45°	3262	3257	3220
50°	3141	3139	3092
55°	2986	2980	2924
60°	2784	2773	2710
65°	2508	2478	2420
70°	2141	2109	2057
75°	1693	1655	1616
80°	1202	1171	1134
85°	722	702	681



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.7	3.5
10°-20°	709.5	10.2
20°-30°	1084.6	15.6
30°-40°	1302.4	18.7
40°-50°	1316.2	18.9
50°-60°	1130.9	16.2
60°-70°	771.5	11.1
70°-80°	346.8	5.0
80°-90°	62.4	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°	2039.7	29.3
0°-40°	3342.2	48.0
0°-60°	5789.3	83.1
0°-90°	6970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6970.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2589	2589	2589	2589	2589	
5°	2584	2583	2582	2581	2581	246
15°	2515	2515	2512	2510	2509	711
25°	2362	2362	2356	2348	2346	1088
35°	2095	2095	2088	2076	2071	1308
45°	1714	1719	1712	1700	1692	1321
55°	1273	1278	1270	1259	1246	1136
65°	788	792	778	773	760	779
75°	326	328	318	316	311	353
85°	47	48	46	46	44	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2589.0	2589.0	2589.0	2589.0	2589.0
2.5°	2589.6	2589.0	2588.3	2587.0	2589.0
5°	2583.6	2583.0	2582.3	2580.9	2580.9
7.5°	2574.3	2572.9	2572.9	2570.9	2570.2
10°	2559.6	2558.9	2556.9	2556.9	2556.2
12.5°	2540.8	2539.5	2537.5	2536.8	2535.5
15°	2515.4	2514.8	2512.1	2510.1	2509.4
17.5°	2486.7	2484.7	2482.7	2478.0	2478.0
20°	2451.9	2450.6	2445.9	2441.2	2438.5
22.5°	2411.8	2409.1	2403.8	2399.1	2393.7
25°	2362.3	2361.6	2355.6	2347.6	2345.6
27.5°	2304.8	2306.1	2300.1	2292.1	2288.1
30°	2241.9	2244.6	2235.9	2225.9	2223.9
32.5°	2173.1	2173.7	2166.4	2155.7	2151.7
35°	2094.8	2094.8	2088.2	2075.5	2071.4
37.5°	2007.9	2007.3	2003.2	1988.5	1981.2
40°	1913.6	1917.0	1909.0	1895.6	1892.2
42.5°	1816.0	1820.0	1812.7	1801.3	1794.0
45°	1714.4	1719.1	1711.7	1699.7	1692.3
47.5°	1609.4	1612.8	1607.4	1592.0	1582.0
50°	1500.4	1507.1	1499.8	1483.7	1477.0
52.5°	1388.1	1395.5	1386.8	1374.7	1362.0
55°	1273.1	1277.8	1270.4	1259.0	1246.3
57.5°	1154.7	1164.1	1152.1	1138.7	1128.0
60°	1034.4	1042.4	1030.4	1018.3	1007.0
62.5°	912.0	917.4	904.0	896.6	883.3
65°	787.7	791.7	778.3	772.9	760.2
67.5°	664.6	668.0	655.3	647.9	640.6
70°	544.3	546.9	536.2	529.6	522.9
72.5°	430.6	431.3	421.2	419.2	411.2
75°	325.6	328.3	318.3	316.3	310.9
77.5°	234.0	234.7	228.0	226.7	222.0
80°	155.1	155.8	151.1	150.4	146.4
82.5°	93.6	94.3	90.3	90.3	87.6
85°	46.8	47.5	45.5	45.5	44.1
87.5°	16.0	16.7	16.0	16.0	15.4
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)