

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: P506851

Luminaire Tested: **24PD-80-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506851
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-80-PR1-L940
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

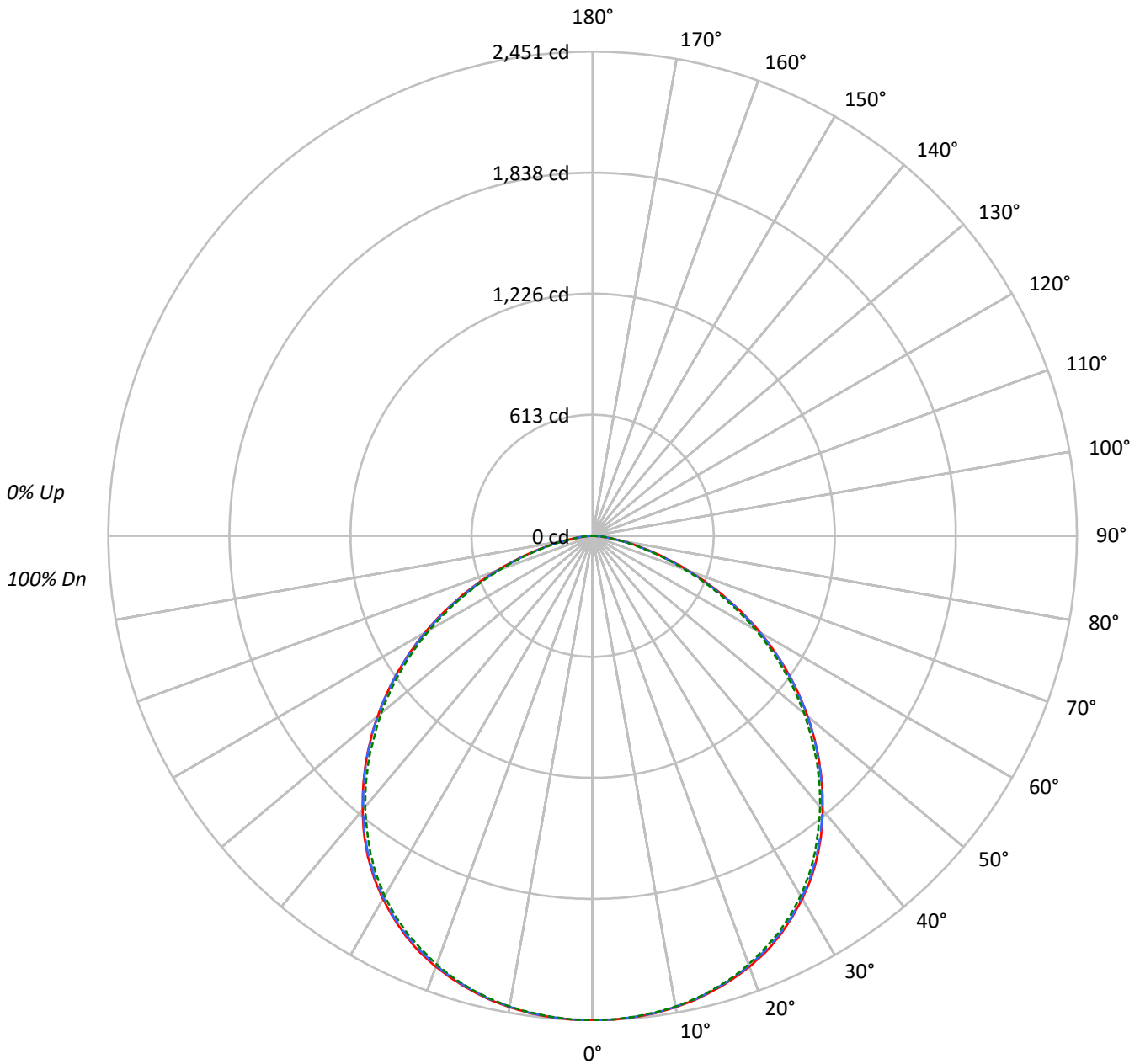
Lumens per Lamp: N/A
Luminaire Lumens: 6598.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.2
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				
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°	3298	3298	3298
5°	3303	3302	3300
10°	3310	3307	3306
15°	3317	3312	3309
20°	3323	3315	3305
25°	3320	3310	3296
30°	3297	3288	3271
35°	3257	3247	3221
40°	3182	3174	3146
45°	3088	3083	3048
50°	2973	2972	2927
55°	2827	2821	2768
60°	2635	2625	2565
65°	2374	2346	2291
70°	2027	1997	1947
75°	1602	1566	1530
80°	1137	1108	1074
85°	684	664	645



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.6	3.5
10°-20°	671.6	10.2
20°-30°	1026.7	15.6
30°-40°	1232.9	18.7
40°-50°	1246.0	18.9
50°-60°	1070.6	16.2
60°-70°	730.3	11.1
70°-80°	328.3	5.0
80°-90°	59.0	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°	1930.9	29.3
0°-40°	3163.8	48.0
0°-60°	5480.3	83.1
0°-90°	6598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6598.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2451	2451	2451	2451	2451	
5°	2446	2445	2444	2443	2443	233
15°	2381	2380	2378	2376	2376	673
25°	2236	2236	2230	2222	2220	1030
35°	1983	1983	1977	1965	1961	1238
45°	1623	1627	1620	1609	1602	1251
55°	1205	1210	1203	1192	1180	1075
65°	746	749	737	732	720	738
75°	308	311	301	299	294	334
85°	44	45	43	43	42	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2450.8	2450.8	2450.8	2450.8	2450.8
2.5°	2451.4	2450.8	2450.2	2448.9	2450.8
5°	2445.7	2445.1	2444.5	2443.2	2443.2
7.5°	2436.9	2435.6	2435.6	2433.7	2433.1
10°	2422.9	2422.3	2420.4	2420.4	2419.8
12.5°	2405.2	2404.0	2402.1	2401.4	2400.2
15°	2381.2	2380.5	2378.0	2376.1	2375.5
17.5°	2354.0	2352.1	2350.2	2345.7	2345.7
20°	2321.0	2319.8	2315.3	2310.9	2308.4
22.5°	2283.1	2280.5	2275.5	2271.0	2266.0
25°	2236.2	2235.6	2229.9	2222.3	2220.4
27.5°	2181.8	2183.1	2177.4	2169.8	2166.0
30°	2122.3	2124.8	2116.6	2107.1	2105.2
32.5°	2057.1	2057.7	2050.8	2040.6	2036.8
35°	1983.0	1983.0	1976.7	1964.7	1960.9
37.5°	1900.8	1900.1	1896.3	1882.4	1875.4
40°	1811.5	1814.7	1807.1	1794.4	1791.3
42.5°	1719.1	1722.9	1715.9	1705.2	1698.2
45°	1622.9	1627.3	1620.4	1609.0	1602.0
47.5°	1523.5	1526.7	1521.6	1507.1	1497.6
50°	1420.3	1426.7	1419.7	1404.5	1398.2
52.5°	1314.0	1321.0	1312.7	1301.4	1289.3
55°	1205.1	1209.6	1202.6	1191.9	1179.8
57.5°	1093.1	1102.0	1090.6	1077.9	1067.8
60°	979.2	986.8	975.4	964.0	953.2
62.5°	863.3	868.4	855.8	848.8	836.1
65°	745.6	749.4	736.8	731.7	719.7
67.5°	629.2	632.3	620.3	613.3	606.4
70°	515.2	517.8	507.6	501.3	495.0
72.5°	407.6	408.3	398.8	396.9	389.3
75°	308.2	310.8	301.3	299.4	294.3
77.5°	221.5	222.2	215.8	214.6	210.1
80°	146.8	147.5	143.0	142.4	138.6
82.5°	88.6	89.2	85.4	85.4	82.9
85°	44.3	44.9	43.0	43.0	41.8
87.5°	15.2	15.8	15.2	15.2	14.6
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)