

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: P506849

Luminaire Tested: **24PD-80-PR1-L930**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506849
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-L930
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

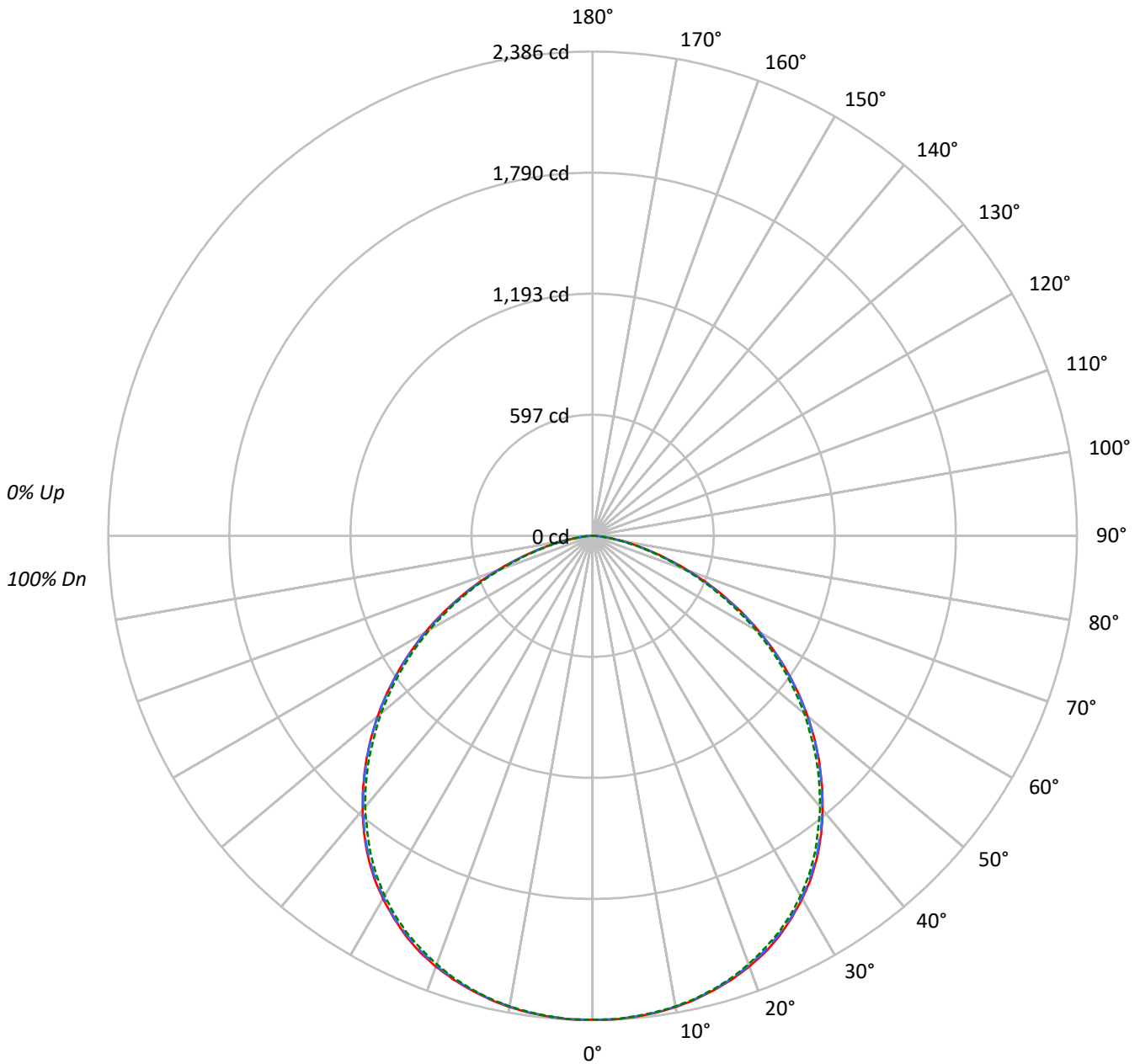
Lumens per Lamp: N/A
Luminaire Lumens: 6421.0 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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			
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°	3209	3209	3209
5°	3215	3213	3211
10°	3221	3218	3217
15°	3228	3224	3220
20°	3234	3226	3217
25°	3231	3222	3208
30°	3209	3200	3183
35°	3170	3160	3134
40°	3096	3089	3062
45°	3005	3001	2966
50°	2893	2892	2848
55°	2751	2745	2693
60°	2564	2554	2496
65°	2310	2283	2230
70°	1972	1943	1895
75°	1560	1524	1489
80°	1107	1079	1045
85°	665	647	628



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.4	3.5
10°-20°	653.6	10.2
20°-30°	999.1	15.6
30°-40°	1199.8	18.7
40°-50°	1212.5	18.9
50°-60°	1041.9	16.2
60°-70°	710.7	11.1
70°-80°	319.5	5.0
80°-90°	57.5	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°	1879.1	29.3
0°-40°	3078.9	48.0
0°-60°	5333.3	83.1
0°-90°	6421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6421.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2385	2385	2385	2385	2385	
5°	2380	2380	2379	2378	2378	227
15°	2317	2317	2314	2312	2312	655
25°	2176	2176	2170	2163	2161	1002
35°	1930	1930	1924	1912	1908	1205
45°	1579	1584	1577	1566	1559	1217
55°	1173	1177	1170	1160	1148	1047
65°	726	729	717	712	700	718
75°	300	302	293	291	286	325
85°	43	44	42	42	41	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2385.0	2385.0	2385.0	2385.0	2385.0
2.5°	2385.7	2385.0	2384.4	2383.2	2385.0
5°	2380.1	2379.5	2378.9	2377.7	2377.7
7.5°	2371.5	2370.3	2370.3	2368.4	2367.8
10°	2357.9	2357.3	2355.5	2355.5	2354.9
12.5°	2340.7	2339.5	2337.6	2337.0	2335.8
15°	2317.3	2316.7	2314.2	2312.4	2311.7
17.5°	2290.8	2289.0	2287.1	2282.8	2282.8
20°	2258.8	2257.5	2253.2	2248.9	2246.5
22.5°	2221.8	2219.4	2214.4	2210.1	2205.2
25°	2176.2	2175.6	2170.1	2162.7	2160.8
27.5°	2123.3	2124.5	2118.9	2111.6	2107.9
30°	2065.4	2067.8	2059.8	2050.6	2048.7
32.5°	2001.9	2002.5	1995.8	1985.9	1982.2
35°	1929.8	1929.8	1923.7	1912.0	1908.3
37.5°	1849.8	1849.2	1845.5	1831.9	1825.1
40°	1762.9	1766.0	1758.6	1746.3	1743.2
42.5°	1673.0	1676.7	1669.9	1659.4	1652.7
45°	1579.4	1583.7	1576.9	1565.8	1559.0
47.5°	1482.6	1485.7	1480.8	1466.6	1457.4
50°	1382.2	1388.4	1381.6	1366.8	1360.7
52.5°	1278.8	1285.5	1277.5	1266.4	1254.7
55°	1172.8	1177.1	1170.3	1159.9	1148.2
57.5°	1063.8	1072.4	1061.3	1049.0	1039.1
60°	952.9	960.3	949.2	938.1	927.7
62.5°	840.2	845.1	832.8	826.0	813.7
65°	725.6	729.3	717.0	712.1	700.4
67.5°	612.3	615.4	603.7	596.9	590.1
70°	501.4	503.9	494.0	487.9	481.7
72.5°	396.7	397.3	388.1	386.2	378.8
75°	300.0	302.4	293.2	291.4	286.4
77.5°	215.6	216.2	210.0	208.8	204.5
80°	142.9	143.5	139.2	138.6	134.9
82.5°	86.2	86.9	83.2	83.2	80.7
85°	43.1	43.7	41.9	41.9	40.7
87.5°	14.8	15.4	14.8	14.8	14.2
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)