

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: P506499

Luminaire Tested: **22PD-80-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-80-PR1-L935
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

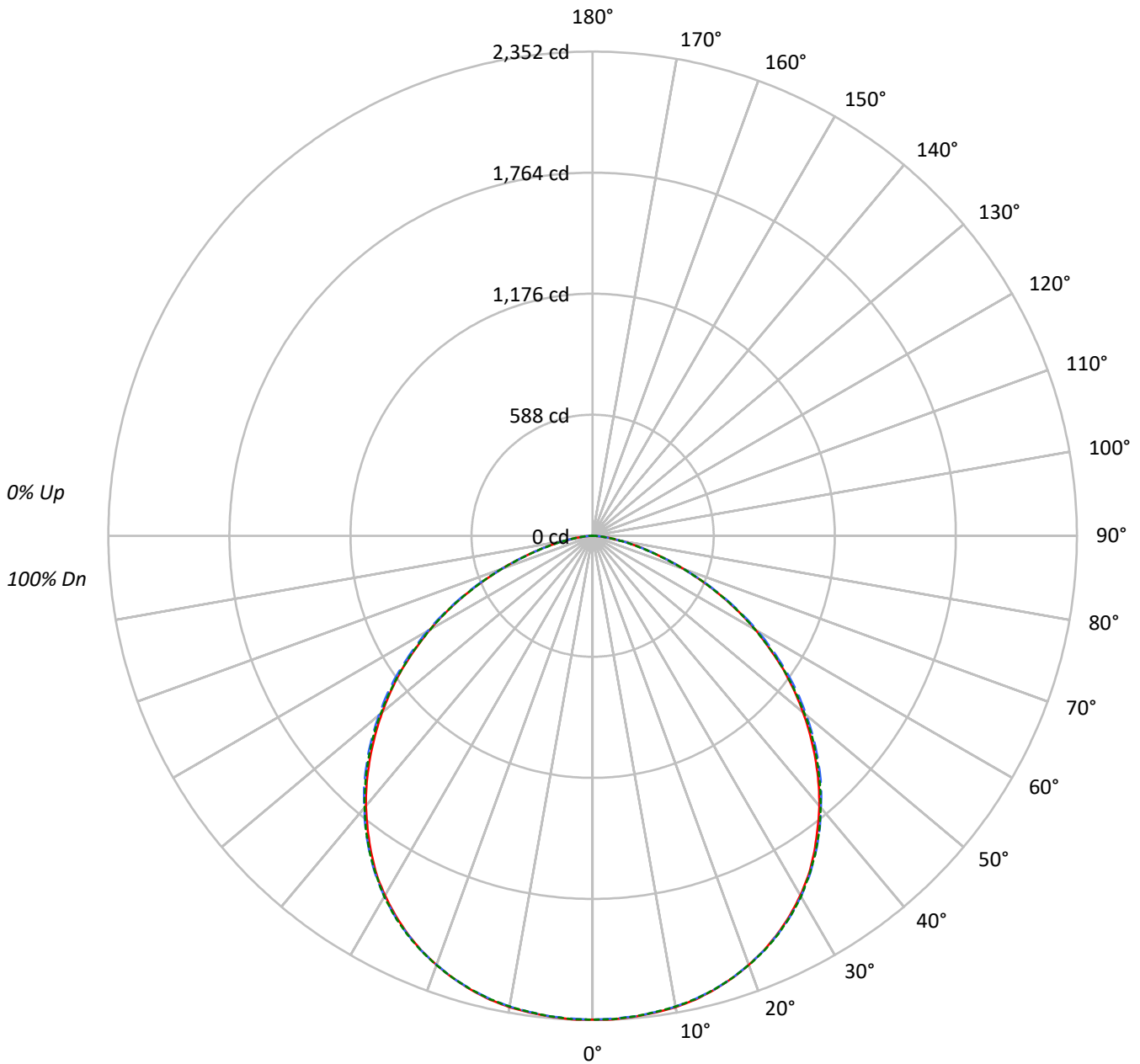
Lumens per Lamp: N/A
Luminaire Lumens: 6280.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 73.4
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	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6324	6324	6324
5°	6334	6329	6329
10°	6353	6345	6345
15°	6361	6355	6357
20°	6353	6350	6355
25°	6325	6332	6337
30°	6268	6288	6290
35°	6162	6196	6193
40°	6019	6060	6052
45°	5821	5896	5866
50°	5585	5671	5624
55°	5301	5386	5309
60°	4915	4983	4898
65°	4385	4430	4380
70°	3688	3688	3663
75°	2890	2890	2857
80°	2117	2094	2081
85°	1383	1383	1405



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.9	3.6
10°-20°	644.0	10.3
20°-30°	982.4	15.6
30°-40°	1177.4	18.7
40°-50°	1189.1	18.9
50°-60°	1017.4	16.2
60°-70°	686.0	10.9
70°-80°	302.7	4.8
80°-90°	58.1	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°	1849.4	29.4
0°-40°	3026.8	48.2
0°-60°	5233.2	83.3
0°-90°	6280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2350	2350	2350	2350	2350	
5°	2345	2342	2343	2342	2343	223
15°	2283	2283	2281	2280	2282	645
25°	2130	2133	2133	2133	2134	981
35°	1876	1887	1886	1884	1885	1172
45°	1530	1541	1549	1547	1541	1179
55°	1130	1140	1148	1146	1132	1007
65°	689	694	696	694	688	681
75°	278	279	278	279	275	303
85°	45	45	45	46	46	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2350.2	2350.2	2350.2	2350.2	2350.2
2.5°	2351.8	2348.6	2347.8	2347.0	2350.2
5°	2344.7	2341.6	2343.1	2341.6	2343.1
7.5°	2336.1	2332.9	2333.7	2332.1	2333.7
10°	2325.1	2321.9	2321.9	2320.3	2321.9
12.5°	2307.8	2305.4	2304.6	2303.1	2305.4
15°	2283.4	2282.7	2281.1	2280.3	2281.9
17.5°	2253.6	2252.0	2253.6	2251.2	2252.8
20°	2218.3	2219.1	2217.5	2218.3	2219.1
22.5°	2178.2	2178.2	2179.0	2179.0	2180.6
25°	2130.3	2132.7	2132.7	2132.7	2134.3
27.5°	2076.9	2080.1	2082.4	2080.9	2082.4
30°	2017.3	2022.7	2023.5	2022.7	2024.3
32.5°	1952.9	1956.8	1959.1	1957.6	1956.0
35°	1875.9	1886.9	1886.1	1884.5	1885.3
37.5°	1795.0	1806.0	1810.0	1806.8	1807.6
40°	1713.4	1722.8	1725.1	1725.9	1722.8
42.5°	1623.1	1634.1	1642.7	1638.8	1634.1
45°	1529.6	1541.4	1549.3	1546.9	1541.4
47.5°	1433.0	1444.0	1455.0	1451.1	1445.6
50°	1334.1	1345.1	1354.5	1352.9	1343.5
52.5°	1232.8	1245.4	1254.0	1250.9	1238.3
55°	1129.9	1140.2	1148.0	1146.4	1131.5
57.5°	1018.4	1031.8	1035.7	1033.4	1022.4
60°	913.2	921.9	925.8	922.6	910.1
62.5°	800.9	808.0	811.1	810.4	801.7
65°	688.6	694.1	695.7	694.1	687.9
67.5°	573.2	581.1	581.9	581.9	575.6
70°	468.8	471.1	468.8	475.1	465.6
72.5°	367.5	369.1	367.5	367.5	363.6
75°	278.0	278.8	278.0	278.8	274.8
77.5°	201.0	202.6	199.4	201.8	197.9
80°	136.6	136.6	135.1	135.8	134.3
82.5°	84.8	86.4	84.0	84.0	83.2
85°	44.8	44.8	44.8	45.5	45.5
87.5°	15.7	15.7	16.5	16.5	15.7
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)