

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: P506498

Luminaire Tested: **22PD-80-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506498
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-L930
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

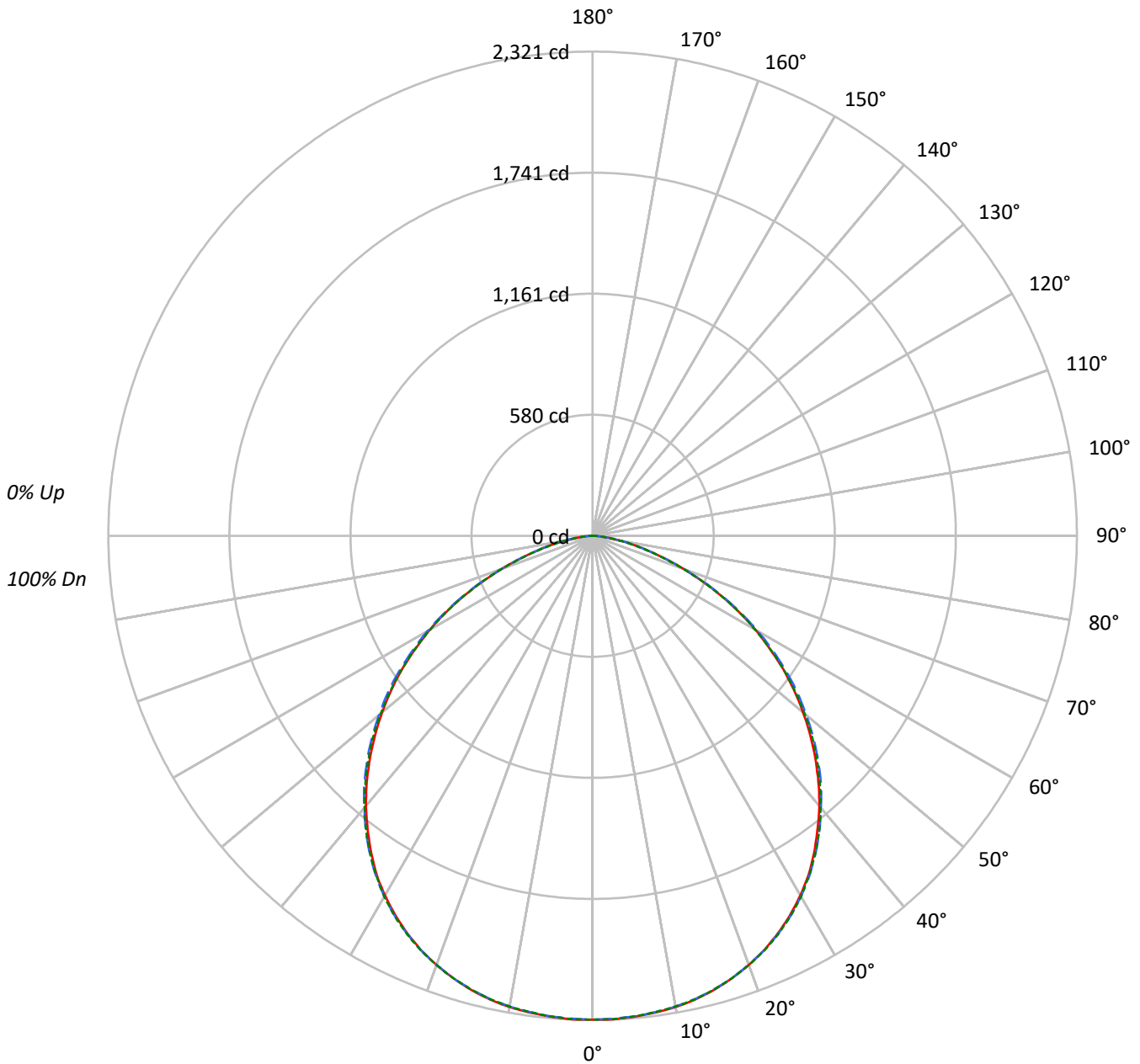
Lumens per Lamp: N/A
Luminaire Lumens: 6197.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	6241	6241	6241
5°	6250	6246	6246
10°	6269	6261	6261
15°	6277	6271	6273
20°	6269	6266	6271
25°	6242	6249	6253
30°	6185	6205	6207
35°	6081	6114	6112
40°	5939	5980	5972
45°	5744	5818	5788
50°	5511	5596	5550
55°	5231	5315	5239
60°	4850	4916	4834
65°	4327	4371	4322
70°	3640	3640	3615
75°	2852	2852	2820
80°	2089	2066	2053
85°	1365	1365	1386



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.0	3.6
10°-20°	635.5	10.3
20°-30°	969.4	15.6
30°-40°	1161.8	18.7
40°-50°	1173.4	18.9
50°-60°	1003.9	16.2
60°-70°	677.0	10.9
70°-80°	298.7	4.8
80°-90°	57.3	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°	1825.0	29.4
0°-40°	2986.8	48.2
0°-60°	5164.0	83.3
0°-90°	6197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2319	2319	2319	2319	2319	
5°	2314	2311	2312	2311	2312	220
15°	2253	2252	2251	2250	2252	636
25°	2102	2104	2104	2104	2106	968
35°	1851	1862	1861	1860	1860	1157
45°	1509	1521	1529	1526	1521	1163
55°	1115	1125	1133	1131	1117	993
65°	680	685	686	685	679	672
75°	274	275	274	275	271	299
85°	44	44	44	45	45	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2319.1	2319.1	2319.1	2319.1	2319.1
2.5°	2320.7	2317.6	2316.8	2316.0	2319.1
5°	2313.7	2310.6	2312.2	2310.6	2312.2
7.5°	2305.2	2302.1	2302.9	2301.3	2302.9
10°	2294.3	2291.2	2291.2	2289.7	2291.2
12.5°	2277.3	2275.0	2274.2	2272.6	2275.0
15°	2253.3	2252.5	2250.9	2250.2	2251.7
17.5°	2223.8	2222.3	2223.8	2221.5	2223.0
20°	2189.0	2189.7	2188.2	2189.0	2189.7
22.5°	2149.4	2149.4	2150.2	2150.2	2151.8
25°	2102.2	2104.5	2104.5	2104.5	2106.0
27.5°	2049.5	2052.6	2054.9	2053.4	2054.9
30°	1990.6	1996.0	1996.8	1996.0	1997.6
32.5°	1927.1	1930.9	1933.3	1931.7	1930.2
35°	1851.1	1862.0	1861.2	1859.6	1860.4
37.5°	1771.3	1782.2	1786.0	1782.9	1783.7
40°	1690.7	1700.0	1702.3	1703.1	1700.0
42.5°	1601.6	1612.5	1621.0	1617.1	1612.5
45°	1509.4	1521.0	1528.8	1526.5	1521.0
47.5°	1414.1	1424.9	1435.8	1431.9	1426.5
50°	1316.5	1327.3	1336.6	1335.1	1325.8
52.5°	1216.5	1228.9	1237.4	1234.3	1221.9
55°	1115.0	1125.1	1132.8	1131.3	1116.6
57.5°	1005.0	1018.2	1022.0	1019.7	1008.9
60°	901.2	909.7	913.5	910.4	898.1
62.5°	790.3	797.3	800.4	799.6	791.1
65°	679.5	685.0	686.5	685.0	678.8
67.5°	565.6	573.4	574.2	574.2	568.0
70°	462.6	464.9	462.6	468.8	459.5
72.5°	362.6	364.2	362.6	362.6	358.8
75°	274.3	275.1	274.3	275.1	271.2
77.5°	198.4	199.9	196.8	199.1	195.3
80°	134.8	134.8	133.3	134.0	132.5
82.5°	83.7	85.2	82.9	82.9	82.1
85°	44.2	44.2	44.2	44.9	44.9
87.5°	15.5	15.5	16.3	16.3	15.5
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)