

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: P506439

Luminaire Tested: **22PD-70-PR1-L830**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506439
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-70-PR1-L830
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

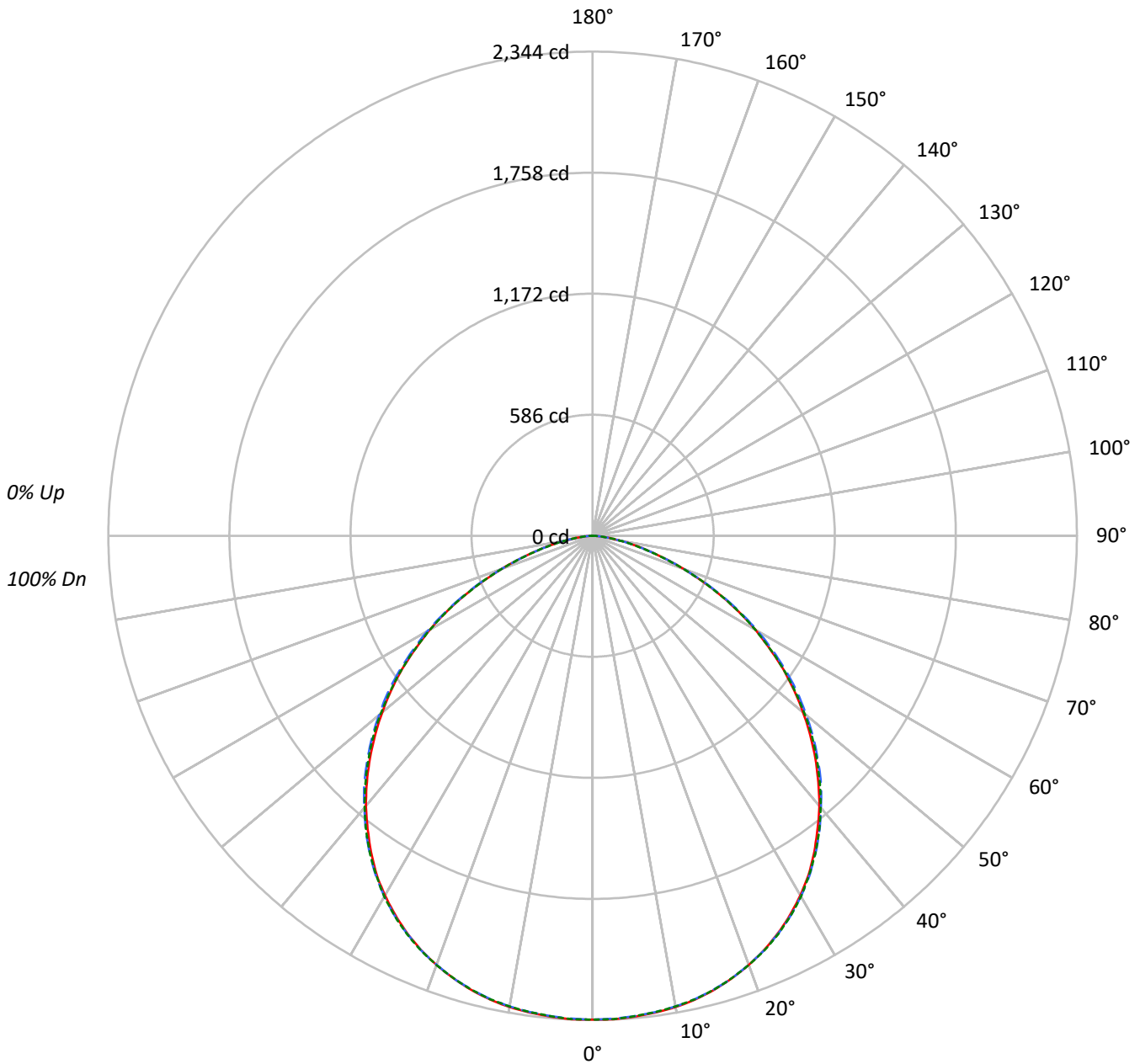
Lumens per Lamp: N/A
Luminaire Lumens: 6258.0 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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°	6302	6302	6302
5°	6311	6307	6307
10°	6331	6322	6322
15°	6339	6333	6335
20°	6330	6328	6332
25°	6303	6310	6315
30°	6246	6266	6268
35°	6141	6174	6172
40°	5998	6039	6031
45°	5801	5875	5845
50°	5565	5651	5605
55°	5283	5367	5290
60°	4898	4965	4881
65°	4369	4415	4365
70°	3675	3675	3651
75°	2880	2880	2848
80°	2111	2086	2073
85°	1377	1377	1402



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.2	3.6
10°-20°	641.8	10.3
20°-30°	979.0	15.6
30°-40°	1173.3	18.7
40°-50°	1184.9	18.9
50°-60°	1013.8	16.2
60°-70°	683.6	10.9
70°-80°	301.6	4.8
80°-90°	57.9	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°	1842.9	29.4
0°-40°	3016.2	48.2
0°-60°	5214.9	83.3
0°-90°	6258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2342	2342	2342	2342	2342	
5°	2336	2333	2335	2333	2335	222
15°	2275	2275	2273	2272	2274	642
25°	2123	2125	2125	2125	2127	978
35°	1869	1880	1880	1878	1879	1168
45°	1524	1536	1544	1542	1536	1175
55°	1126	1136	1144	1142	1128	1003
65°	686	692	693	692	686	678
75°	277	278	277	278	274	302
85°	45	45	45	45	45	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2342.0	2342.0	2342.0	2342.0	2342.0
2.5°	2343.5	2340.4	2339.6	2338.8	2342.0
5°	2336.5	2333.3	2334.9	2333.3	2334.9
7.5°	2327.9	2324.7	2325.5	2324.0	2325.5
10°	2316.9	2313.8	2313.8	2312.2	2313.8
12.5°	2299.7	2297.4	2296.6	2295.0	2297.4
15°	2275.4	2274.7	2273.1	2272.3	2273.9
17.5°	2245.7	2244.1	2245.7	2243.4	2244.9
20°	2210.5	2211.3	2209.7	2210.5	2211.3
22.5°	2170.6	2170.6	2171.4	2171.4	2172.9
25°	2122.9	2125.2	2125.2	2125.2	2126.8
27.5°	2069.7	2072.8	2075.1	2073.6	2075.1
30°	2010.2	2015.7	2016.4	2015.7	2017.2
32.5°	1946.0	1949.9	1952.3	1950.7	1949.2
35°	1869.3	1880.3	1879.5	1877.9	1878.7
37.5°	1788.7	1799.7	1803.6	1800.5	1801.3
40°	1707.4	1716.8	1719.1	1719.9	1716.8
42.5°	1617.4	1628.3	1636.9	1633.0	1628.3
45°	1524.3	1536.0	1543.8	1541.5	1536.0
47.5°	1428.0	1439.0	1449.9	1446.0	1440.5
50°	1329.4	1340.4	1349.8	1348.2	1338.8
52.5°	1228.5	1241.0	1249.6	1246.5	1234.0
55°	1126.0	1136.2	1144.0	1142.4	1127.6
57.5°	1014.9	1028.2	1032.1	1029.7	1018.8
60°	910.0	918.6	922.5	919.4	906.9
62.5°	798.1	805.2	808.3	807.5	798.9
65°	686.2	691.7	693.3	691.7	685.5
67.5°	571.2	579.0	579.8	579.8	573.6
70°	467.1	469.5	467.1	473.4	464.0
72.5°	366.2	367.8	366.2	366.2	362.3
75°	277.0	277.8	277.0	277.8	273.9
77.5°	200.3	201.9	198.7	201.1	197.2
80°	136.2	136.2	134.6	135.4	133.8
82.5°	84.5	86.1	83.7	83.7	82.9
85°	44.6	44.6	44.6	45.4	45.4
87.5°	15.6	15.6	16.4	16.4	15.6
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)