

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: P506495

Luminaire Tested: **22PD-80-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506495
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-L840
Description: 8000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

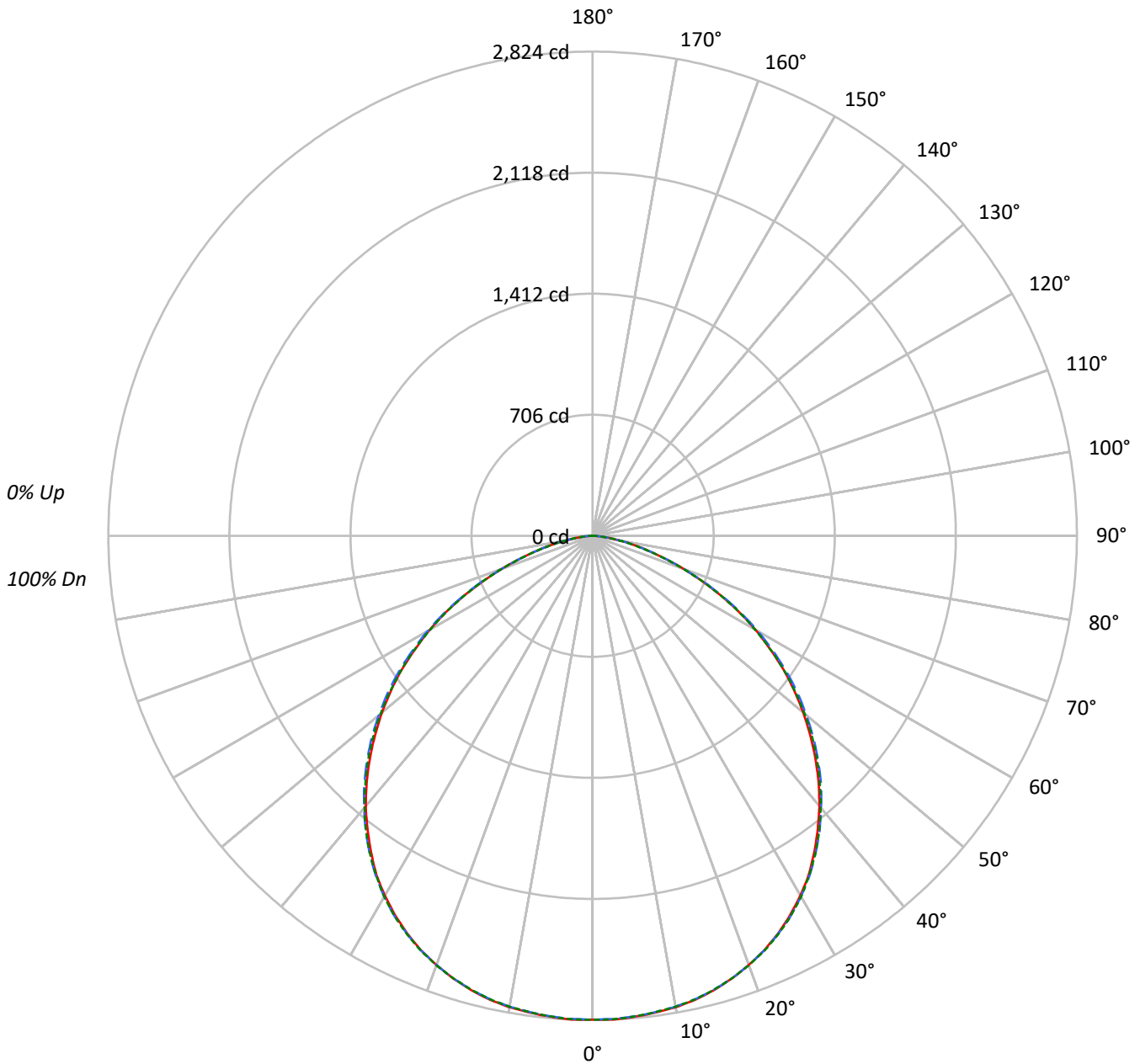
Lumens per Lamp: N/A
Luminaire Lumens: 7542.0 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	7595	7595	7595
5°	7606	7601	7601
10°	7630	7620	7620
15°	7640	7632	7634
20°	7629	7626	7632
25°	7596	7605	7610
30°	7528	7551	7554
35°	7401	7441	7438
40°	7228	7278	7268
45°	6991	7081	7045
50°	6707	6810	6755
55°	6366	6468	6375
60°	5902	5984	5882
65°	5266	5320	5260
70°	4430	4430	4400
75°	3471	3471	3432
80°	2543	2514	2500
85°	1661	1661	1689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.8	3.6
10°-20°	773.5	10.3
20°-30°	1179.8	15.6
30°-40°	1414.0	18.7
40°-50°	1428.0	18.9
50°-60°	1221.8	16.2
60°-70°	823.9	10.9
70°-80°	363.5	4.8
80°-90°	69.8	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°	2221.0	29.4
0°-40°	3635.0	48.2
0°-60°	6284.8	83.3
0°-90°	7542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2822	2822	2822	2822	2822	
5°	2816	2812	2814	2812	2814	268
15°	2742	2741	2740	2738	2740	774
25°	2558	2561	2561	2561	2563	1178
35°	2253	2266	2265	2263	2264	1408
45°	1837	1851	1861	1858	1851	1416
55°	1357	1369	1379	1377	1359	1209
65°	827	834	836	834	826	817
75°	334	335	334	335	330	363
85°	54	54	54	55	55	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2822.5	2822.5	2822.5	2822.5	2822.5
2.5°	2824.4	2820.6	2819.6	2818.7	2822.5
5°	2815.9	2812.1	2814.0	2812.1	2814.0
7.5°	2805.5	2801.7	2802.7	2800.8	2802.7
10°	2792.3	2788.5	2788.5	2786.6	2788.5
12.5°	2771.5	2768.7	2767.8	2765.9	2768.7
15°	2742.3	2741.4	2739.5	2738.5	2740.4
17.5°	2706.5	2704.6	2706.5	2703.7	2705.5
20°	2664.0	2665.0	2663.1	2664.0	2665.0
22.5°	2615.9	2615.9	2616.9	2616.9	2618.8
25°	2558.4	2561.3	2561.3	2561.3	2563.1
27.5°	2494.3	2498.1	2500.9	2499.0	2500.9
30°	2422.6	2429.2	2430.2	2429.2	2431.1
32.5°	2345.3	2350.0	2352.8	2351.0	2349.1
35°	2252.9	2266.1	2265.1	2263.3	2264.2
37.5°	2155.8	2169.0	2173.7	2169.9	2170.8
40°	2057.7	2069.0	2071.8	2072.8	2069.0
42.5°	1949.2	1962.4	1972.8	1968.1	1962.4
45°	1837.0	1851.2	1860.6	1857.8	1851.2
47.5°	1721.0	1734.2	1747.4	1742.7	1736.1
50°	1602.2	1615.4	1626.7	1624.8	1613.5
52.5°	1480.5	1495.6	1506.0	1502.2	1487.1
55°	1357.0	1369.3	1378.7	1376.8	1358.9
57.5°	1223.1	1239.1	1243.8	1241.0	1227.8
60°	1096.7	1107.1	1111.8	1108.1	1093.0
62.5°	961.9	970.4	974.1	973.2	962.8
65°	827.0	833.6	835.5	833.6	826.1
67.5°	688.4	697.8	698.8	698.8	691.2
70°	563.0	565.8	563.0	570.5	559.2
72.5°	441.3	443.2	441.3	441.3	436.6
75°	333.8	334.8	333.8	334.8	330.1
77.5°	241.4	243.3	239.5	242.4	237.6
80°	164.1	164.1	162.2	163.1	161.3
82.5°	101.8	103.7	100.9	100.9	100.0
85°	53.8	53.8	53.8	54.7	54.7
87.5°	18.9	18.9	19.8	19.8	18.9
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)