

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: P506198

Luminaire Tested: **22PD-25-PR1-L840**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506198
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-25-PR1-L840
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

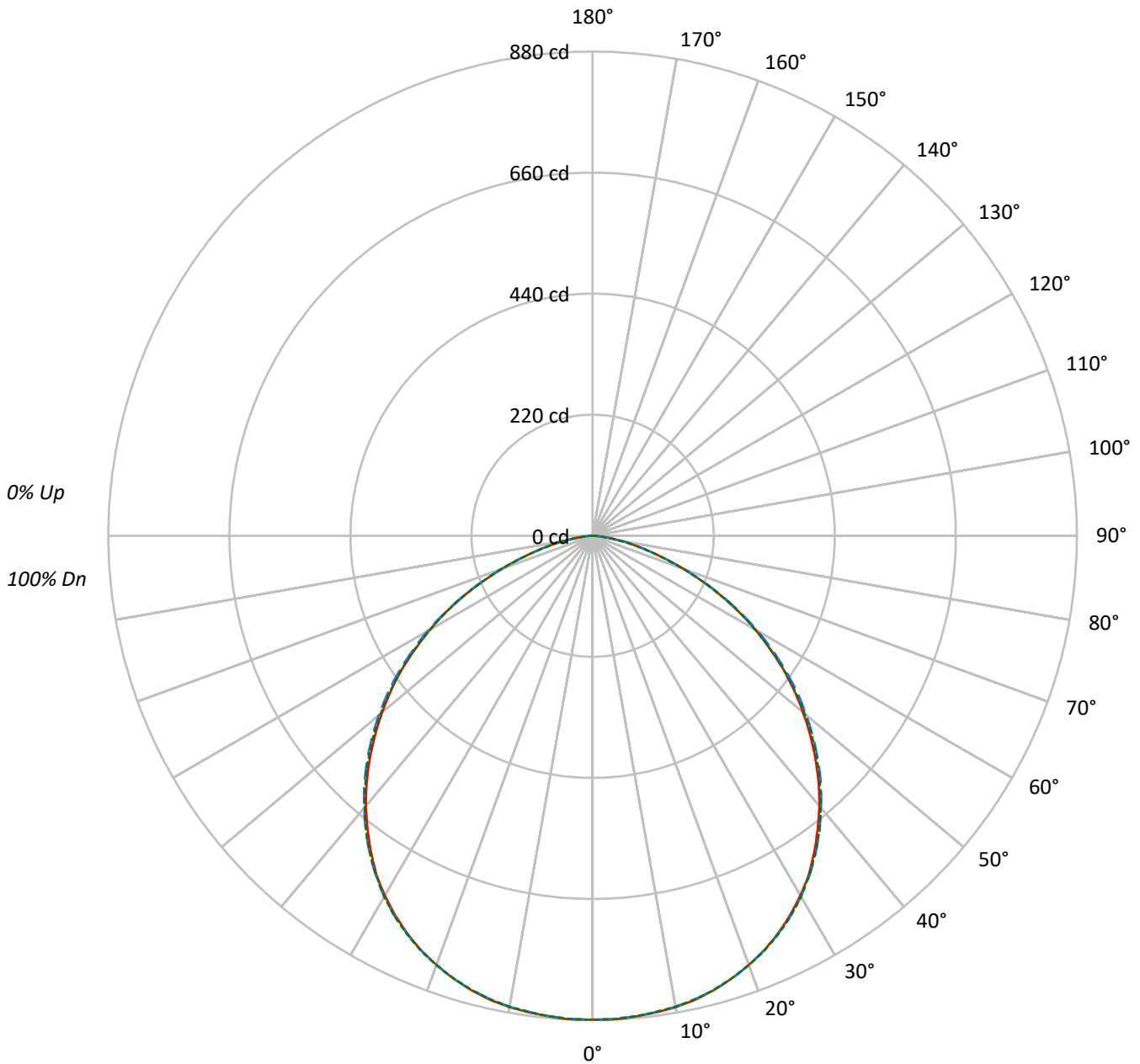
Lumens per Lamp: N/A
Luminaire Lumens: 2350.0 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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°	2366	2366	2366
5°	2370	2368	2368
10°	2377	2374	2374
15°	2381	2378	2379
20°	2377	2376	2378
25°	2367	2370	2371
30°	2346	2353	2354
35°	2306	2319	2318
40°	2252	2268	2265
45°	2178	2206	2195
50°	2090	2122	2105
55°	1984	2016	1986
60°	1839	1864	1833
65°	1641	1657	1639
70°	1380	1380	1371
75°	1081	1081	1069
80°	792	783	778
85°	516	516	525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	3.6
10°-20°	241.0	10.3
20°-30°	367.6	15.6
30°-40°	440.6	18.7
40°-50°	445.0	18.9
50°-60°	380.7	16.2
60°-70°	256.7	10.9
70°-80°	113.2	4.8
80°-90°	21.7	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°	692.1	29.4
0°-40°	1132.6	48.2
0°-60°	1958.3	83.3
0°-90°	2350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2350.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	879	879	879	879	879	
5°	877	876	877	876	877	84
15°	854	854	854	853	854	241
25°	797	798	798	798	799	367
35°	702	706	706	705	706	439
45°	572	577	580	579	577	441
55°	423	427	430	429	423	377
65°	258	260	260	260	257	255
75°	104	104	104	104	103	113
85°	17	17	17	17	17	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	879.4	879.4	879.4	879.4	879.4
2.5°	880.0	878.9	878.6	878.3	879.4
5°	877.4	876.2	876.8	876.2	876.8
7.5°	874.2	873.0	873.3	872.7	873.3
10°	870.0	868.9	868.9	868.3	868.9
12.5°	863.6	862.7	862.4	861.8	862.7
15°	854.5	854.2	853.6	853.3	853.9
17.5°	843.3	842.7	843.3	842.4	843.0
20°	830.1	830.4	829.8	830.1	830.4
22.5°	815.1	815.1	815.4	815.4	816.0
25°	797.2	798.1	798.1	798.1	798.6
27.5°	777.2	778.4	779.3	778.7	779.3
30°	754.9	756.9	757.2	756.9	757.5
32.5°	730.8	732.2	733.1	732.5	731.9
35°	702.0	706.1	705.8	705.2	705.5
37.5°	671.7	675.8	677.3	676.1	676.4
40°	641.1	644.7	645.6	645.9	644.7
42.5°	607.4	611.5	614.7	613.2	611.5
45°	572.4	576.8	579.7	578.9	576.8
47.5°	536.2	540.4	544.5	543.0	541.0
50°	499.2	503.3	506.9	506.3	502.8
52.5°	461.3	466.0	469.3	468.1	463.4
55°	422.8	426.6	429.6	429.0	423.4
57.5°	381.1	386.1	387.6	386.7	382.6
60°	341.7	345.0	346.4	345.3	340.6
62.5°	299.7	302.4	303.5	303.2	300.0
65°	257.7	259.8	260.3	259.8	257.4
67.5°	214.5	217.4	217.7	217.7	215.4
70°	175.4	176.3	175.4	177.8	174.2
72.5°	137.5	138.1	137.5	137.5	136.0
75°	104.0	104.3	104.0	104.3	102.8
77.5°	75.2	75.8	74.6	75.5	74.0
80°	51.1	51.1	50.5	50.8	50.2
82.5°	31.7	32.3	31.4	31.4	31.1
85°	16.7	16.7	16.7	17.0	17.0
87.5°	5.9	5.9	6.2	6.2	5.9
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)