

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: P506171

Luminaire Tested: **22PD-20-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506171
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-20-PR1-L840
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

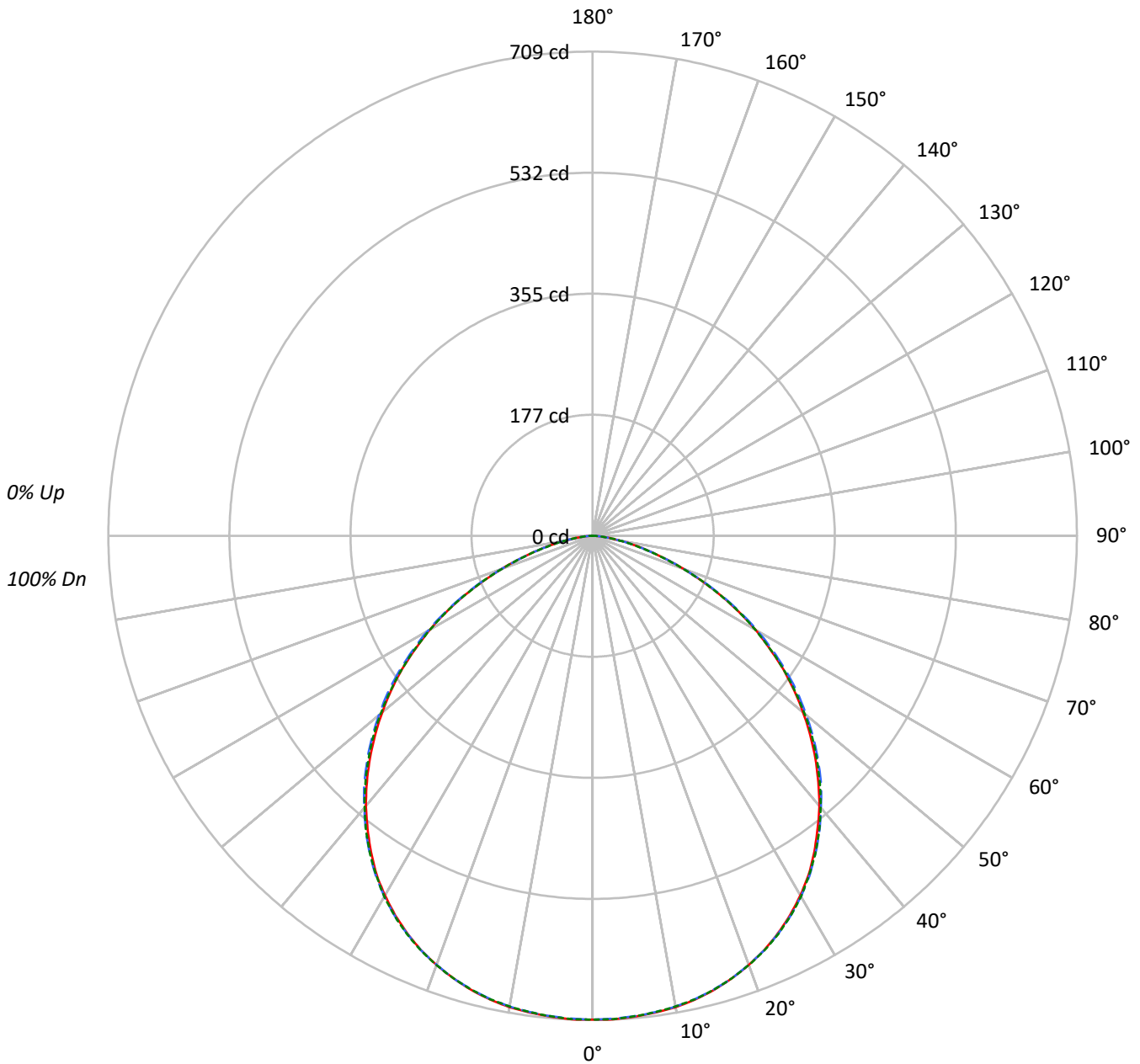
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1893.0 lumens
Efficiency: N/A
Efficacy: 117.6 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): 16.1
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				20				
RC	80				70				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			100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1906	1906	1906
5°	1909	1908	1908
10°	1915	1912	1912
15°	1918	1916	1916
20°	1915	1914	1916
25°	1907	1909	1910
30°	1890	1895	1896
35°	1858	1868	1867
40°	1814	1827	1824
45°	1755	1777	1768
50°	1683	1709	1696
55°	1598	1623	1600
60°	1482	1502	1476
65°	1322	1335	1320
70°	1112	1112	1105
75°	871	871	861
80°	638	631	628
85°	417	417	423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	3.6
10°-20°	194.1	10.3
20°-30°	296.1	15.6
30°-40°	354.9	18.7
40°-50°	358.4	18.9
50°-60°	306.7	16.2
60°-70°	206.8	10.9
70°-80°	91.2	4.8
80°-90°	17.5	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°	557.5	29.4
0°-40°	912.4	48.2
0°-60°	1577.5	83.3
0°-90°	1893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1893.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	708	708	708	708	708	
5°	707	706	706	706	706	67
15°	688	688	688	687	688	194
25°	642	643	643	643	643	296
35°	566	569	568	568	568	353
45°	461	465	467	466	465	355
55°	341	344	346	346	341	303
65°	208	209	210	209	207	205
75°	84	84	84	84	83	91
85°	14	14	14	14	14	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	708.4	708.4	708.4	708.4	708.4
2.5°	708.9	708.0	707.7	707.5	708.4
5°	706.8	705.8	706.3	705.8	706.3
7.5°	704.2	703.2	703.5	703.0	703.5
10°	700.9	699.9	699.9	699.4	699.9
12.5°	695.6	694.9	694.7	694.2	694.9
15°	688.3	688.1	687.6	687.4	687.8
17.5°	679.3	678.8	679.3	678.6	679.1
20°	668.7	668.9	668.4	668.7	668.9
22.5°	656.6	656.6	656.8	656.8	657.3
25°	642.2	642.9	642.9	642.9	643.3
27.5°	626.1	627.0	627.7	627.2	627.7
30°	608.1	609.7	610.0	609.7	610.2
32.5°	588.7	589.8	590.6	590.1	589.6
35°	565.5	568.8	568.5	568.1	568.3
37.5°	541.1	544.4	545.6	544.6	544.9
40°	516.5	519.3	520.0	520.3	519.3
42.5°	489.2	492.6	495.2	494.0	492.6
45°	461.1	464.6	467.0	466.3	464.6
47.5°	432.0	435.3	438.6	437.4	435.8
50°	402.1	405.5	408.3	407.8	405.0
52.5°	371.6	375.4	378.0	377.1	373.3
55°	340.6	343.7	346.0	345.6	341.1
57.5°	307.0	311.0	312.2	311.5	308.2
60°	275.3	277.9	279.1	278.1	274.3
62.5°	241.4	243.6	244.5	244.3	241.7
65°	207.6	209.2	209.7	209.2	207.3
67.5°	172.8	175.2	175.4	175.4	173.5
70°	141.3	142.0	141.3	143.2	140.4
72.5°	110.8	111.2	110.8	110.8	109.6
75°	83.8	84.0	83.8	84.0	82.8
77.5°	60.6	61.1	60.1	60.8	59.6
80°	41.2	41.2	40.7	40.9	40.5
82.5°	25.6	26.0	25.3	25.3	25.1
85°	13.5	13.5	13.5	13.7	13.7
87.5°	4.7	4.7	5.0	5.0	4.7
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)