

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: P505811

Luminaire Tested: **14PD-20-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PL1-L840
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

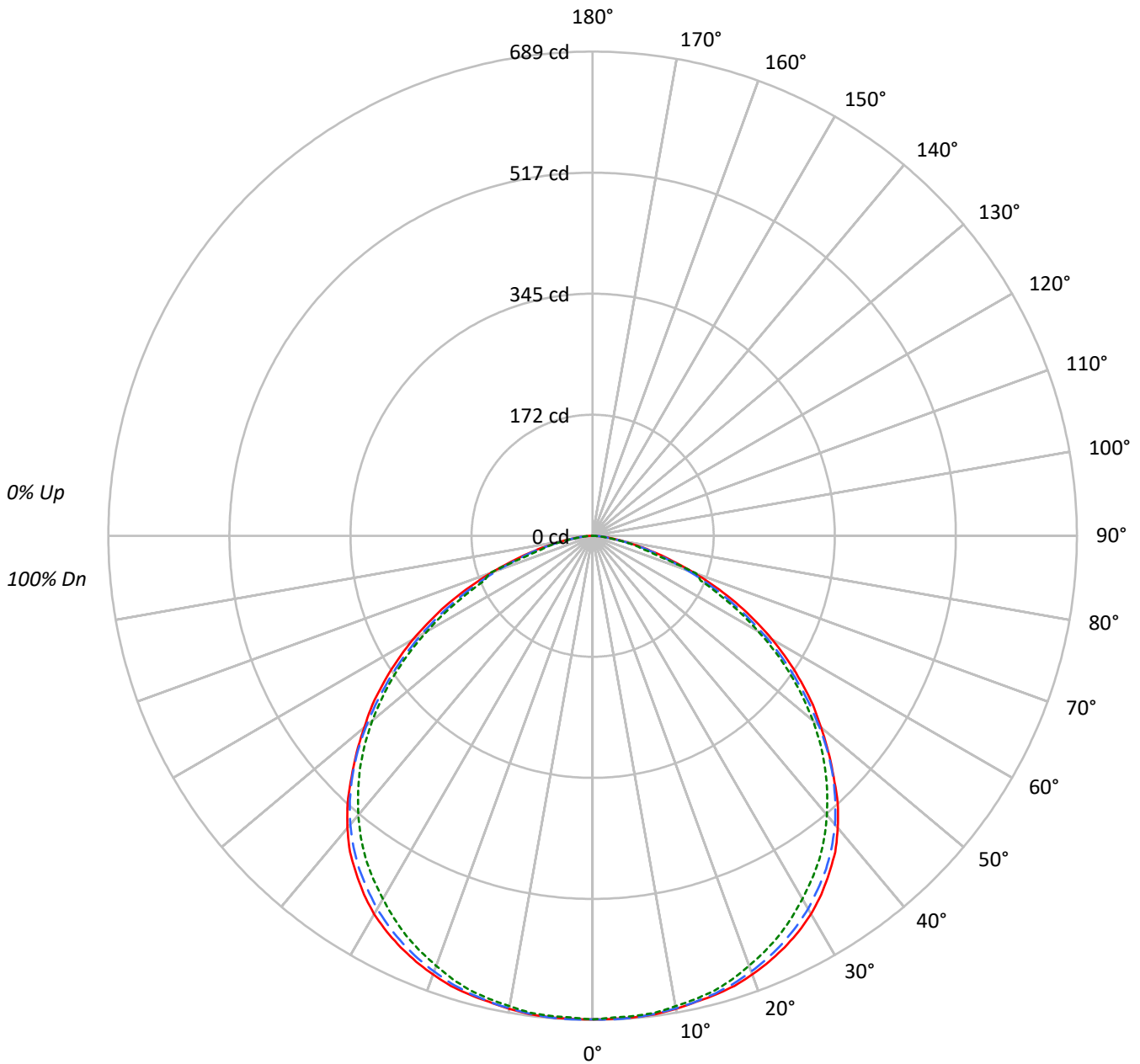
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1912.7 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 17.4
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	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1852	1852	1852
5°	1858	1859	1853
10°	1868	1866	1858
15°	1884	1878	1867
20°	1903	1889	1865
25°	1919	1900	1864
30°	1932	1905	1854
35°	1927	1902	1847
40°	1906	1884	1821
45°	1845	1840	1781
50°	1775	1759	1712
55°	1698	1649	1612
60°	1587	1515	1464
65°	1429	1340	1268
70°	1195	1121	1231
75°	943	908	786
80°	679	603	615
85°	432	361	340



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	3.4
10°-20°	190.2	9.9
20°-30°	294.1	15.4
30°-40°	359.9	18.8
40°-50°	369.0	19.3
50°-60°	314.3	16.4
60°-70°	210.0	11.0
70°-80°	93.1	4.9
80°-90°	16.8	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°	549.7	28.7
0°-40°	909.6	47.6
0°-60°	1592.8	83.3
0°-90°	1912.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1912.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	688	688	688	688	688	
5°	688	686	688	688	686	66
15°	676	674	674	672	670	191
25°	646	644	640	632	628	298
35°	586	585	579	566	562	367
45°	485	486	483	472	468	374
55°	362	360	352	344	344	323
65°	224	223	210	201	199	221
75°	91	92	87	88	76	98
85°	14	14	12	11	11	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	688.2	688.2	688.2	688.2	688.2
2.5°	688.2	687.0	688.9	689.7	686.3
5°	687.8	686.3	688.2	687.8	685.9
7.5°	686.7	684.0	685.9	685.2	684.4
10°	683.6	681.4	682.9	681.8	679.9
12.5°	679.5	678.0	679.1	678.0	675.3
15°	676.1	673.8	674.2	672.3	670.0
17.5°	671.6	668.1	668.1	664.4	661.7
20°	664.4	661.3	659.8	654.5	651.1
22.5°	656.1	653.8	650.8	644.0	640.2
25°	646.2	644.0	639.8	631.5	627.7
27.5°	634.9	631.9	627.3	617.5	613.0
30°	621.7	617.9	613.0	602.0	596.7
32.5°	605.4	602.8	596.3	585.0	580.1
35°	586.5	585.0	579.0	566.1	562.3
37.5°	567.2	564.2	558.9	545.3	541.5
40°	542.7	540.8	536.3	523.0	518.5
42.5°	516.2	515.1	511.3	498.8	493.9
45°	484.9	486.4	483.4	472.4	467.9
47.5°	455.0	454.3	453.1	443.3	439.5
50°	424.0	422.5	420.2	412.3	408.9
52.5°	394.9	391.9	385.8	379.0	376.8
55°	362.0	360.2	351.5	344.3	343.5
57.5°	328.8	327.7	317.1	308.8	308.8
60°	294.8	293.3	281.5	272.9	272.1
62.5°	259.2	258.1	246.0	236.2	236.6
65°	224.5	222.6	210.5	201.0	199.2
67.5°	188.2	187.4	175.7	167.0	166.3
70°	151.9	151.9	142.5	134.9	156.5
72.5°	119.8	118.7	111.1	107.7	102.8
75°	90.7	91.8	87.3	87.7	75.6
77.5°	64.6	62.7	60.8	56.7	60.1
80°	43.8	42.7	38.9	37.8	39.7
82.5°	27.2	27.6	24.2	21.9	21.5
85°	14.0	13.6	11.7	11.3	11.0
87.5°	5.3	5.7	4.9	4.5	4.2
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)