

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: P505821

Luminaire Tested: **14PD-20-PR1-L850**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P505821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-20-PR1-L850
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

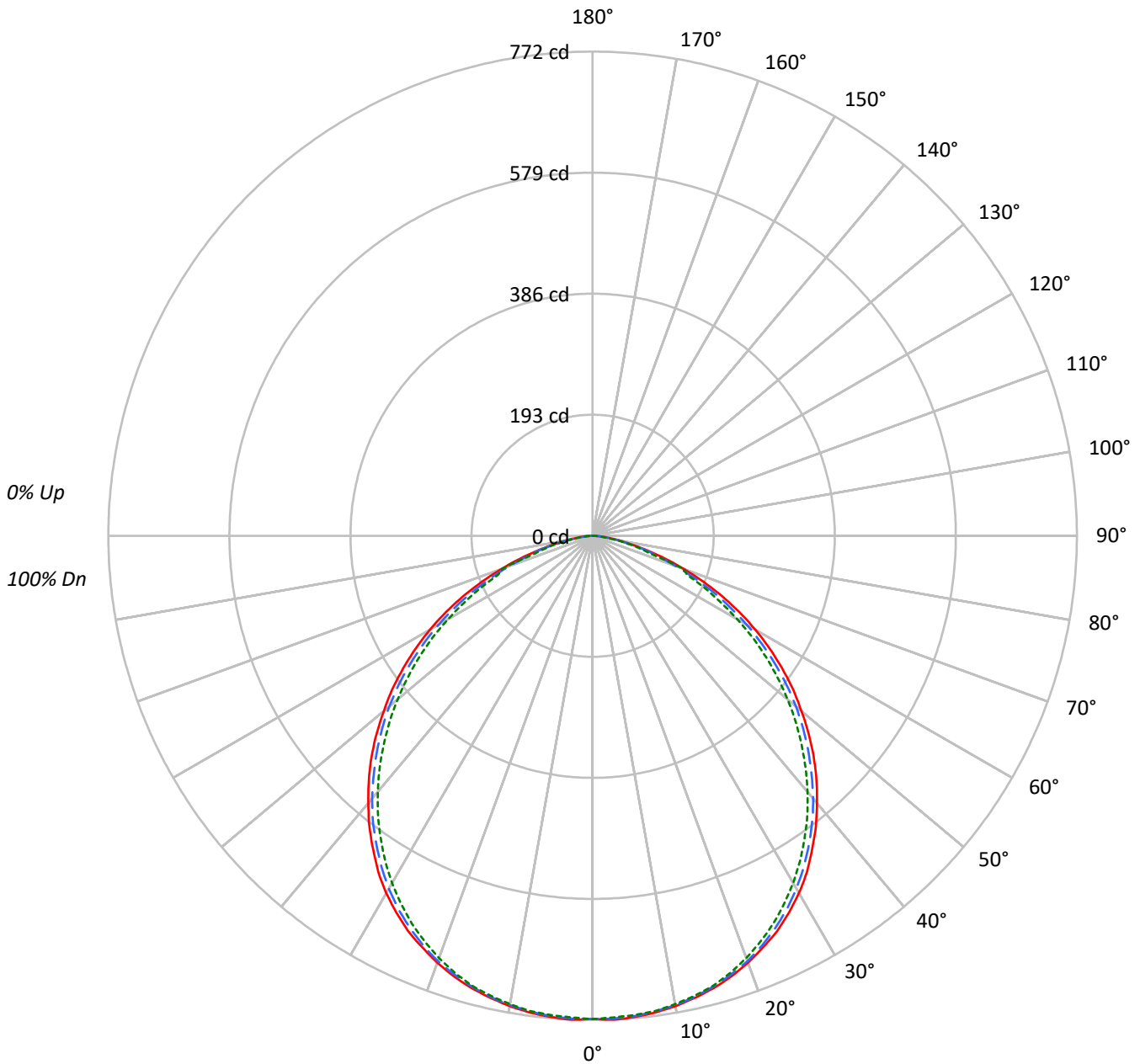
Lumens per Lamp: N/A
Luminaire Lumens: 1983.0 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2073	2073	2073
5°	2081	2077	2072
10°	2081	2076	2072
15°	2080	2073	2069
20°	2074	2067	2051
25°	2066	2048	2025
30°	2045	2018	1986
35°	2005	1975	1935
40°	1955	1921	1872
45°	1897	1850	1792
50°	1818	1770	1698
55°	1730	1662	1583
60°	1610	1526	1432
65°	1446	1344	1256
70°	1216	1108	1198
75°	937	900	810
80°	674	603	573
85°	414	352	318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	3.7
10°-20°	209.8	10.6
20°-30°	316.9	16.0
30°-40°	375.0	18.9
40°-50°	373.9	18.9
50°-60°	315.9	15.9
60°-70°	210.4	10.6
70°-80°	91.4	4.6
80°-90°	16.6	0.8
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°	599.8	30.2
0°-40°	974.8	49.2
0°-60°	1664.5	83.9
0°-90°	1983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1983.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	770	770	770	770	770	
5°	770	767	769	768	767	73
15°	746	743	744	743	743	211
25°	696	691	690	684	682	320
35°	610	606	601	593	589	382
45°	498	494	486	476	471	384
55°	369	366	354	343	337	329
65°	227	224	211	202	197	224
75°	90	88	87	84	78	98
85°	13	14	11	11	10	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	770.5	770.5	770.5	770.5	770.5
2.5°	772.4	769.0	770.5	770.5	768.6
5°	770.2	767.1	769.0	768.3	767.1
7.5°	766.7	763.7	764.8	764.4	764.1
10°	761.4	758.3	759.9	759.1	758.3
12.5°	754.5	751.5	753.0	751.8	751.1
15°	746.5	743.1	744.2	743.1	742.7
17.5°	736.6	733.1	733.5	732.0	730.5
20°	724.4	721.3	721.7	717.9	716.3
22.5°	710.2	707.2	706.8	701.8	699.9
25°	695.7	691.2	689.6	683.5	682.0
27.5°	677.4	673.2	670.9	664.4	661.4
30°	658.0	653.4	649.6	642.3	639.3
32.5°	635.8	631.2	626.3	618.6	615.2
35°	610.2	606.1	601.1	593.1	588.9
37.5°	584.7	580.1	575.1	565.6	562.2
40°	556.4	552.2	546.9	536.6	532.8
42.5°	528.2	523.2	516.7	506.8	502.6
45°	498.4	493.8	486.2	475.9	470.9
47.5°	467.1	463.3	455.3	444.2	438.9
50°	434.3	431.3	422.9	410.6	405.7
52.5°	403.0	398.8	389.3	377.1	371.7
55°	368.7	366.0	354.2	342.7	337.4
57.5°	334.3	330.9	319.1	307.6	302.6
60°	299.2	296.2	283.6	272.1	266.0
62.5°	263.7	260.3	246.9	236.6	230.9
65°	227.1	224.4	211.0	201.9	197.3
67.5°	190.4	188.5	174.4	166.8	163.3
70°	154.6	151.9	140.8	137.8	152.3
72.5°	121.4	117.9	108.4	103.4	99.6
75°	90.1	88.2	86.6	83.6	77.9
77.5°	63.4	63.0	57.6	53.4	57.6
80°	43.5	45.0	38.9	35.5	37.0
82.5°	26.7	29.8	23.3	20.6	19.8
85°	13.4	13.7	11.4	10.7	10.3
87.5°	5.0	5.7	5.0	4.2	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)