

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: P505818

Luminaire Tested: **14PD-20-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505818
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-L830
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

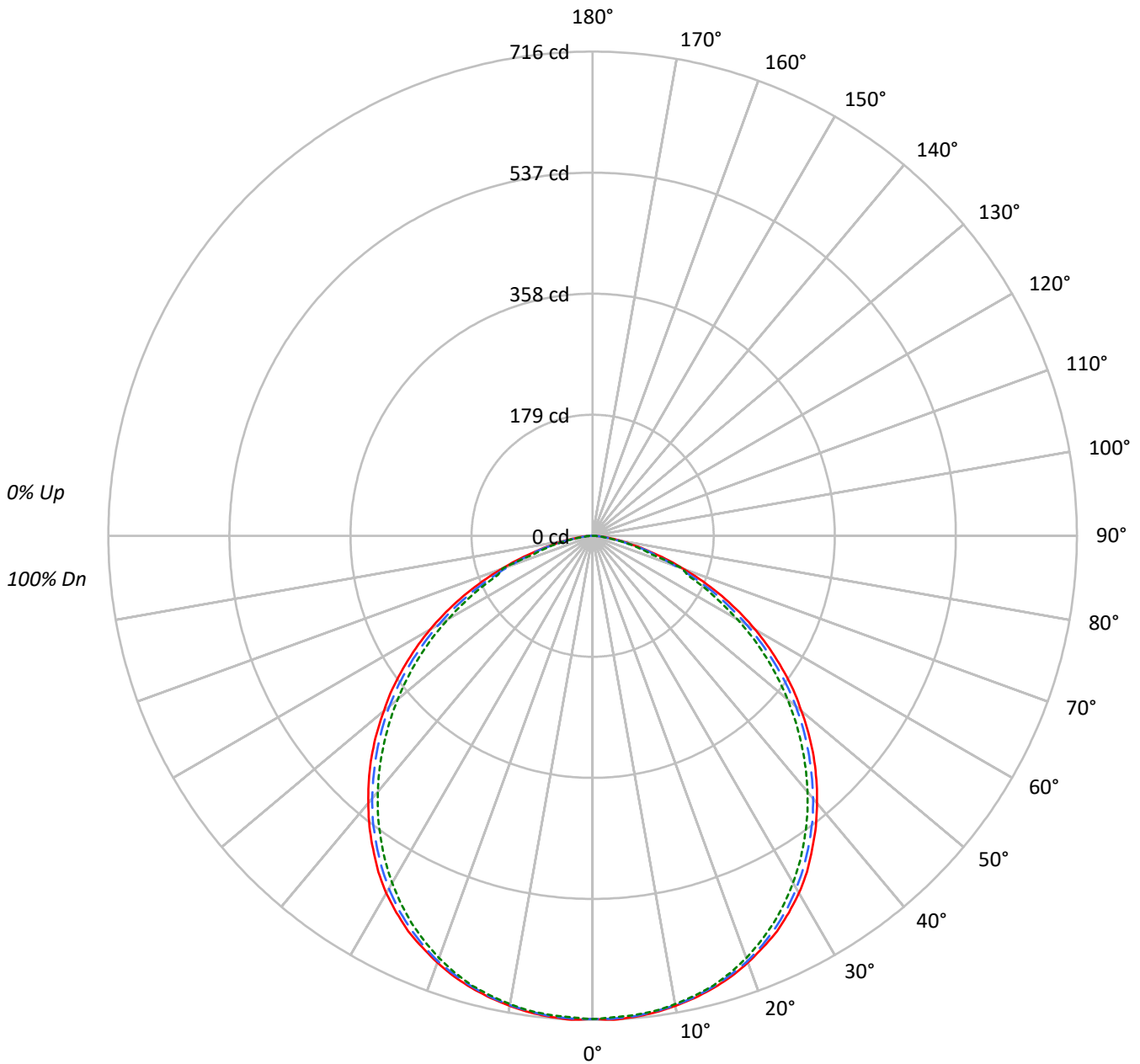
Lumens per Lamp: N/A
Luminaire Lumens: 1839.0 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1923	1923	1923
5°	1929	1927	1922
10°	1929	1926	1922
15°	1929	1923	1919
20°	1924	1917	1902
25°	1916	1899	1878
30°	1896	1872	1842
35°	1859	1831	1794
40°	1813	1782	1736
45°	1759	1716	1662
50°	1686	1642	1575
55°	1604	1541	1468
60°	1493	1415	1328
65°	1341	1246	1165
70°	1127	1028	1111
75°	868	835	751
80°	625	559	532
85°	383	327	296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	3.7
10°-20°	194.6	10.6
20°-30°	293.9	16.0
30°-40°	347.7	18.9
40°-50°	346.7	18.9
50°-60°	292.9	15.9
60°-70°	195.2	10.6
70°-80°	84.8	4.6
80°-90°	15.4	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°	556.3	30.2
0°-40°	904.0	49.2
0°-60°	1543.7	83.9
0°-90°	1839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	715	715	715	715	715	
5°	714	711	713	712	711	68
15°	692	689	690	689	689	195
25°	645	641	640	634	632	297
35°	566	562	557	550	546	354
45°	462	458	451	441	437	356
55°	342	339	328	318	313	305
65°	211	208	196	187	183	208
75°	84	82	80	78	72	91
85°	12	13	11	10	10	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	714.6	714.6	714.6	714.6	714.6
2.5°	716.4	713.2	714.6	714.6	712.8
5°	714.2	711.4	713.2	712.5	711.4
7.5°	711.0	708.2	709.3	708.9	708.6
10°	706.1	703.3	704.7	704.0	703.3
12.5°	699.7	696.9	698.3	697.2	696.5
15°	692.3	689.1	690.2	689.1	688.7
17.5°	683.1	679.9	680.3	678.8	677.4
20°	671.8	668.9	669.3	665.7	664.3
22.5°	658.7	655.8	655.5	650.9	649.1
25°	645.2	641.0	639.6	633.9	632.5
27.5°	628.2	624.3	622.2	616.2	613.4
30°	610.2	605.9	602.4	595.7	592.8
32.5°	589.6	585.4	580.8	573.7	570.5
35°	565.9	562.0	557.4	550.0	546.1
37.5°	542.2	538.0	533.4	524.5	521.3
40°	516.0	512.1	507.2	497.6	494.1
42.5°	489.8	485.2	479.2	470.0	466.1
45°	462.2	458.0	450.9	441.4	436.8
47.5°	433.2	429.7	422.2	412.0	407.0
50°	402.8	399.9	392.2	380.8	376.2
52.5°	373.8	369.9	361.0	349.7	344.7
55°	341.9	339.4	328.4	317.8	312.9
57.5°	310.0	306.9	295.9	285.3	280.7
60°	277.5	274.6	263.0	252.4	246.7
62.5°	244.6	241.4	229.0	219.4	214.1
65°	210.6	208.1	195.7	187.2	183.0
67.5°	176.6	174.8	161.7	154.7	151.5
70°	143.3	140.9	130.6	127.8	141.2
72.5°	112.5	109.4	100.5	95.9	92.4
75°	83.5	81.8	80.3	77.5	72.2
77.5°	58.8	58.4	53.4	49.6	53.4
80°	40.3	41.8	36.1	32.9	34.3
82.5°	24.8	27.6	21.6	19.1	18.4
85°	12.4	12.7	10.6	9.9	9.6
87.5°	4.6	5.3	4.6	3.9	3.9
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)