

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: P505820

Luminaire Tested: **14PD-20-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505820
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-L840
Description: 2000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

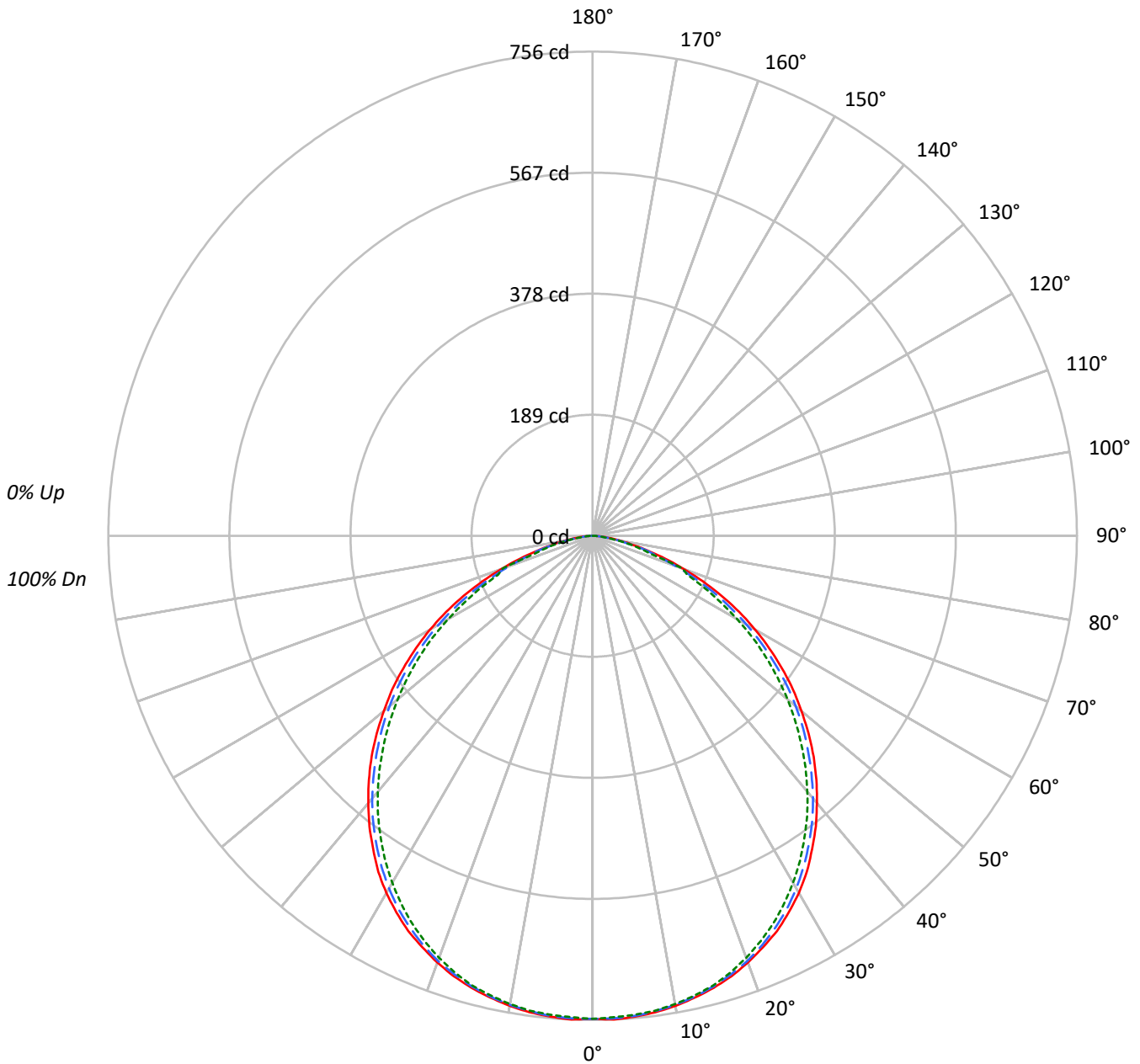
Lumens per Lamp: N/A
Luminaire Lumens: 1941.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	2030	2030	2030
5°	2036	2033	2028
10°	2037	2032	2028
15°	2036	2029	2025
20°	2030	2023	2008
25°	2022	2004	1982
30°	2001	1976	1944
35°	1962	1933	1894
40°	1913	1880	1832
45°	1857	1811	1754
50°	1780	1733	1662
55°	1693	1627	1549
60°	1576	1494	1401
65°	1415	1316	1230
70°	1190	1084	1173
75°	917	882	792
80°	660	590	561
85°	404	346	312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	3.7
10°-20°	205.4	10.6
20°-30°	310.2	16.0
30°-40°	367.0	18.9
40°-50°	366.0	18.9
50°-60°	309.2	15.9
60°-70°	206.0	10.6
70°-80°	89.5	4.6
80°-90°	16.2	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°	587.1	30.2
0°-40°	954.2	49.2
0°-60°	1629.3	83.9
0°-90°	1941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	754	754	754	754	754	
5°	754	751	753	752	751	72
15°	731	727	728	727	727	206
25°	681	676	675	669	668	313
35°	597	593	588	580	576	374
45°	488	483	476	466	461	376
55°	361	358	347	336	330	322
65°	222	220	207	198	193	220
75°	88	86	85	82	76	96
85°	13	13	11	10	10	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	754.2	754.2	754.2	754.2	754.2
2.5°	756.1	752.7	754.2	754.2	752.4
5°	753.8	750.9	752.7	752.0	750.9
7.5°	750.5	747.5	748.6	748.2	747.9
10°	745.3	742.3	743.8	743.0	742.3
12.5°	738.5	735.5	737.0	735.9	735.2
15°	730.7	727.3	728.4	727.3	726.9
17.5°	721.0	717.6	718.0	716.5	715.0
20°	709.0	706.0	706.4	702.7	701.2
22.5°	695.2	692.2	691.8	687.0	685.1
25°	681.0	676.5	675.0	669.0	667.6
27.5°	663.1	659.0	656.7	650.4	647.4
30°	644.0	639.5	635.8	628.7	625.7
32.5°	622.4	617.9	613.0	605.5	602.2
35°	597.3	593.2	588.4	580.5	576.4
37.5°	572.3	567.8	563.0	553.6	550.3
40°	544.7	540.5	535.3	525.2	521.5
42.5°	517.0	512.2	505.8	496.1	492.0
45°	487.9	483.4	475.9	465.8	461.0
47.5°	457.2	453.5	445.7	434.8	429.6
50°	425.1	422.1	413.9	402.0	397.1
52.5°	394.5	390.4	381.0	369.1	363.8
55°	360.9	358.2	346.7	335.5	330.2
57.5°	327.2	323.9	312.3	301.1	296.2
60°	292.9	289.9	277.6	266.3	260.4
62.5°	258.1	254.8	241.7	231.6	226.0
65°	222.3	219.7	206.6	197.6	193.1
67.5°	186.4	184.5	170.7	163.2	159.9
70°	151.3	148.7	137.8	134.9	149.1
72.5°	118.8	115.4	106.1	101.2	97.5
75°	88.2	86.3	84.8	81.8	76.2
77.5°	62.0	61.6	56.4	52.3	56.4
80°	42.6	44.1	38.1	34.7	36.2
82.5°	26.1	29.1	22.8	20.2	19.4
85°	13.1	13.4	11.2	10.5	10.1
87.5°	4.9	5.6	4.9	4.1	4.1
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)