

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: P506203

Luminaire Tested: **22PD-25-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506203
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-25-PR1-L940
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

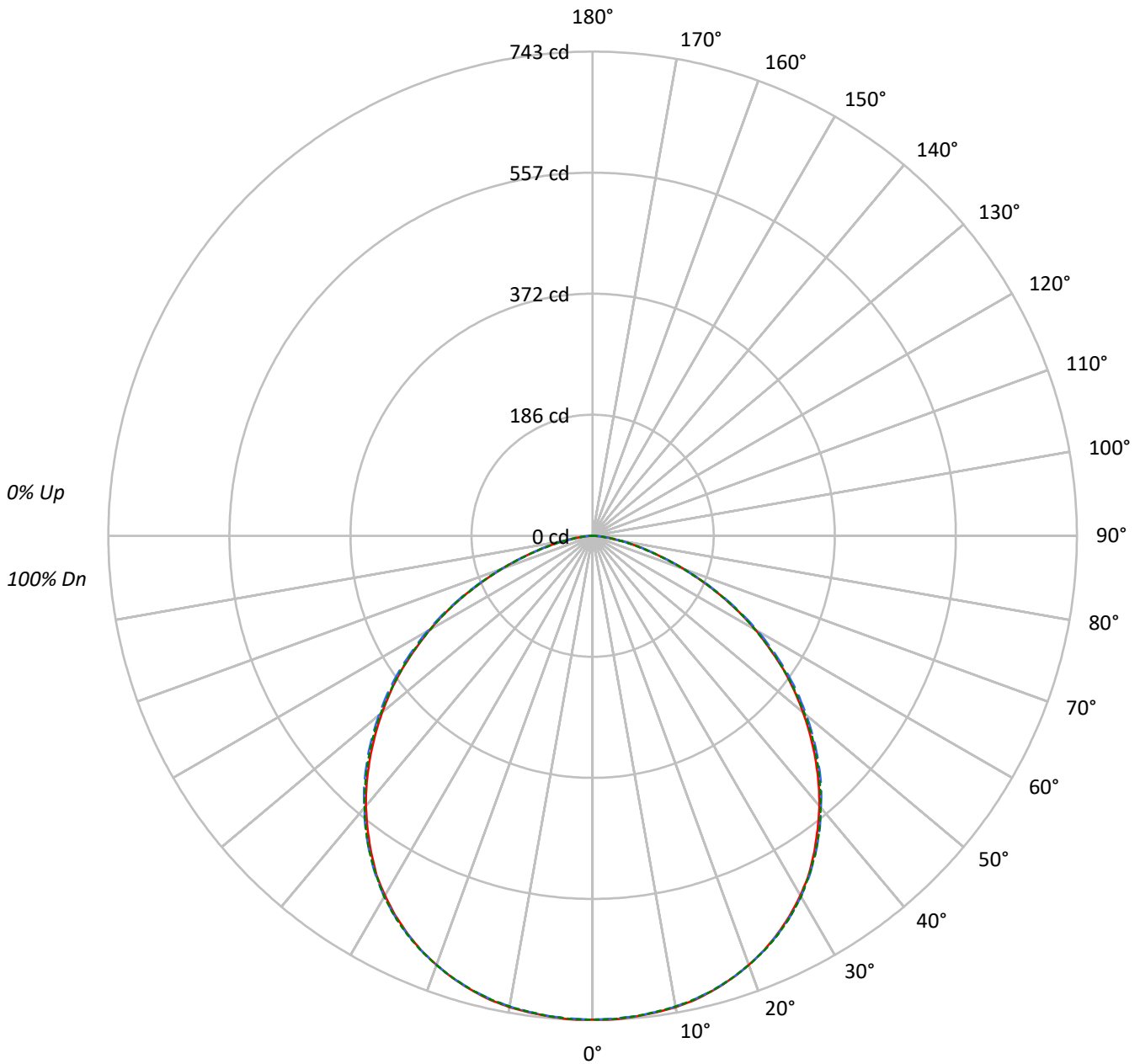
Lumens per Lamp: N/A
Luminaire Lumens: 1984.0 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1998	1998	1998
5°	2001	1999	1999
10°	2007	2004	2004
15°	2010	2008	2008
20°	2007	2006	2008
25°	1998	2001	2002
30°	1980	1986	1987
35°	1947	1958	1957
40°	1901	1914	1912
45°	1839	1862	1853
50°	1765	1791	1777
55°	1675	1702	1677
60°	1553	1574	1547
65°	1386	1400	1384
70°	1165	1165	1157
75°	913	913	902
80°	669	662	657
85°	435	435	445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	3.6
10°-20°	203.5	10.3
20°-30°	310.4	15.6
30°-40°	372.0	18.7
40°-50°	375.7	18.9
50°-60°	321.4	16.2
60°-70°	216.7	10.9
70°-80°	95.6	4.8
80°-90°	18.3	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°	584.3	29.4
0°-40°	956.2	48.2
0°-60°	1653.3	83.3
0°-90°	1984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1984.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	742	742	742	742	742	
5°	741	740	740	740	740	71
15°	721	721	721	720	721	204
25°	673	674	674	674	674	310
35°	593	596	596	595	596	370
45°	483	487	489	489	487	372
55°	357	360	363	362	358	318
65°	218	219	220	219	217	215
75°	88	88	88	88	87	96
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°	742.5	742.5	742.5	742.5	742.5
2.5°	743.0	742.0	741.7	741.5	742.5
5°	740.7	739.8	740.2	739.8	740.2
7.5°	738.0	737.0	737.3	736.8	737.3
10°	734.5	733.5	733.5	733.1	733.5
12.5°	729.1	728.3	728.1	727.6	728.3
15°	721.4	721.1	720.6	720.4	720.9
17.5°	712.0	711.5	712.0	711.2	711.7
20°	700.8	701.1	700.6	700.8	701.1
22.5°	688.2	688.2	688.4	688.4	688.9
25°	673.0	673.8	673.8	673.8	674.3
27.5°	656.2	657.1	657.9	657.4	657.9
30°	637.3	639.0	639.3	639.0	639.5
32.5°	617.0	618.2	618.9	618.4	617.9
35°	592.6	596.1	595.9	595.4	595.6
37.5°	567.1	570.6	571.8	570.8	571.1
40°	541.3	544.3	545.0	545.3	544.3
42.5°	512.8	516.2	519.0	517.7	516.2
45°	483.2	487.0	489.4	488.7	487.0
47.5°	452.7	456.2	459.7	458.4	456.7
50°	421.5	424.9	427.9	427.4	424.5
52.5°	389.5	393.4	396.2	395.2	391.2
55°	357.0	360.2	362.7	362.2	357.5
57.5°	321.7	326.0	327.2	326.5	323.0
60°	288.5	291.2	292.5	291.5	287.5
62.5°	253.0	255.3	256.3	256.0	253.3
65°	217.6	219.3	219.8	219.3	217.3
67.5°	181.1	183.6	183.8	183.8	181.8
70°	148.1	148.8	148.1	150.1	147.1
72.5°	116.1	116.6	116.1	116.1	114.9
75°	87.8	88.1	87.8	88.1	86.8
77.5°	63.5	64.0	63.0	63.8	62.5
80°	43.2	43.2	42.7	42.9	42.4
82.5°	26.8	27.3	26.5	26.5	26.3
85°	14.1	14.1	14.1	14.4	14.4
87.5°	5.0	5.0	5.2	5.2	5.0
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)