

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: P505860

Luminaire Tested: **14PD-25-PW1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PW1-L935
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

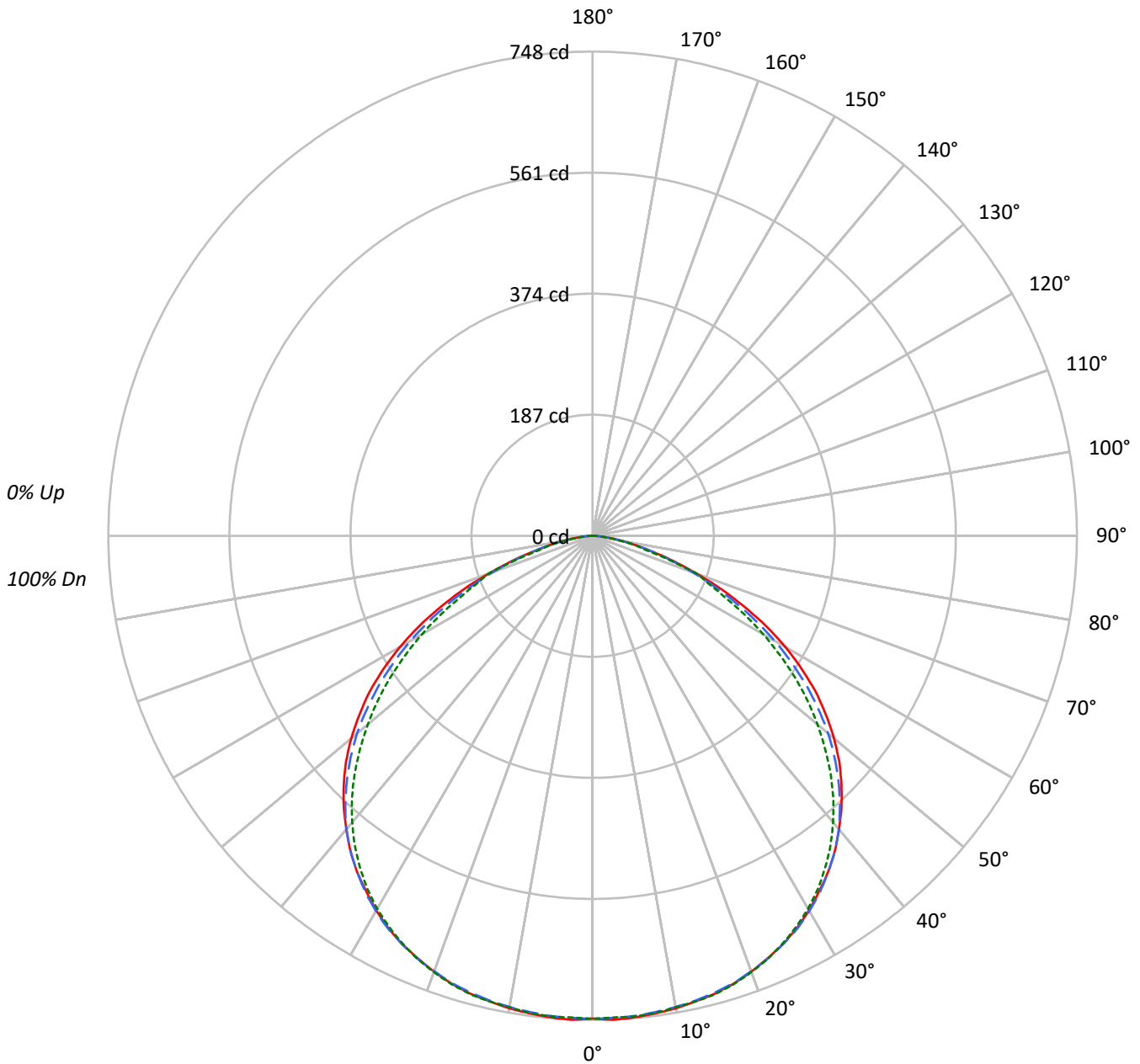
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2124.5 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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	97	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	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2007	2007	2007
5°	2017	2012	2014
10°	2026	2020	2021
15°	2040	2035	2042
20°	2052	2050	2054
25°	2067	2067	2063
30°	2077	2081	2068
35°	2083	2083	2057
40°	2080	2078	2029
45°	2069	2044	1979
50°	2037	1988	1898
55°	1974	1891	1788
60°	1850	1748	1639
65°	1638	1544	1442
70°	1337	1278	1347
75°	1009	991	890
80°	725	680	680
85°	457	429	377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	3.3
10°-20°	206.5	9.7
20°-30°	320.6	15.1
30°-40°	394.8	18.6
40°-50°	411.1	19.3
50°-60°	357.5	16.8
60°-70°	240.2	11.3
70°-80°	103.9	4.9
80°-90°	19.1	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°	598.0	28.1
0°-40°	992.8	46.7
0°-60°	1761.3	82.9
0°-90°	2124.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2124.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	747	742	745	746	746	71
15°	732	727	730	733	733	207
25°	696	693	696	696	695	321
35°	634	632	634	629	626	396
45°	544	542	537	525	520	419
55°	421	413	403	387	381	374
65°	257	253	242	231	226	255
75°	97	98	95	97	86	107
85°	15	15	14	12	12	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	746.0	746.0	746.0	746.0	746.0
2.5°	748.5	743.9	745.5	748.1	744.7
5°	746.8	742.2	744.7	746.4	745.5
7.5°	744.3	740.9	742.2	743.9	743.4
10°	741.3	738.0	739.2	740.9	739.6
12.5°	736.7	732.9	735.4	737.1	736.7
15°	732.1	727.0	730.4	732.9	732.9
17.5°	725.3	721.1	724.5	726.6	726.2
20°	716.5	713.5	716.0	717.7	717.3
22.5°	706.3	704.2	707.2	707.2	707.2
25°	696.2	692.8	696.2	696.2	694.9
27.5°	683.1	680.2	684.4	683.1	681.0
30°	668.4	666.7	669.6	667.5	665.4
32.5°	651.1	650.2	653.2	649.0	647.3
35°	634.2	632.5	634.2	628.7	626.2
37.5°	614.4	612.7	614.4	607.2	603.4
40°	592.1	590.8	591.6	582.4	577.7
42.5°	568.9	567.6	565.5	554.1	550.3
45°	543.6	541.9	537.2	525.0	519.9
47.5°	516.6	513.6	506.9	493.8	487.1
50°	486.6	482.4	474.8	460.5	453.3
52.5°	454.2	449.1	439.4	425.1	418.3
55°	420.8	413.3	403.1	387.1	381.2
57.5°	382.9	374.9	364.3	349.6	342.8
60°	343.7	335.7	324.7	311.2	304.5
62.5°	301.9	294.8	283.8	271.1	265.2
65°	257.2	252.6	242.5	231.1	226.4
67.5°	215.1	210.4	202.0	192.3	194.0
70°	169.9	169.5	162.4	155.6	171.2
72.5°	132.4	131.6	127.8	124.4	123.6
75°	97.0	97.8	95.3	97.4	85.6
77.5°	68.3	69.2	68.7	62.8	65.8
80°	46.8	46.8	43.9	41.7	43.9
82.5°	28.3	33.7	30.4	24.9	24.0
85°	14.8	15.2	13.9	12.2	12.2
87.5°	5.5	6.3	5.5	5.1	4.6
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)