

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: P505859

Luminaire Tested: **14PD-25-PW1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505859
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-L930
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

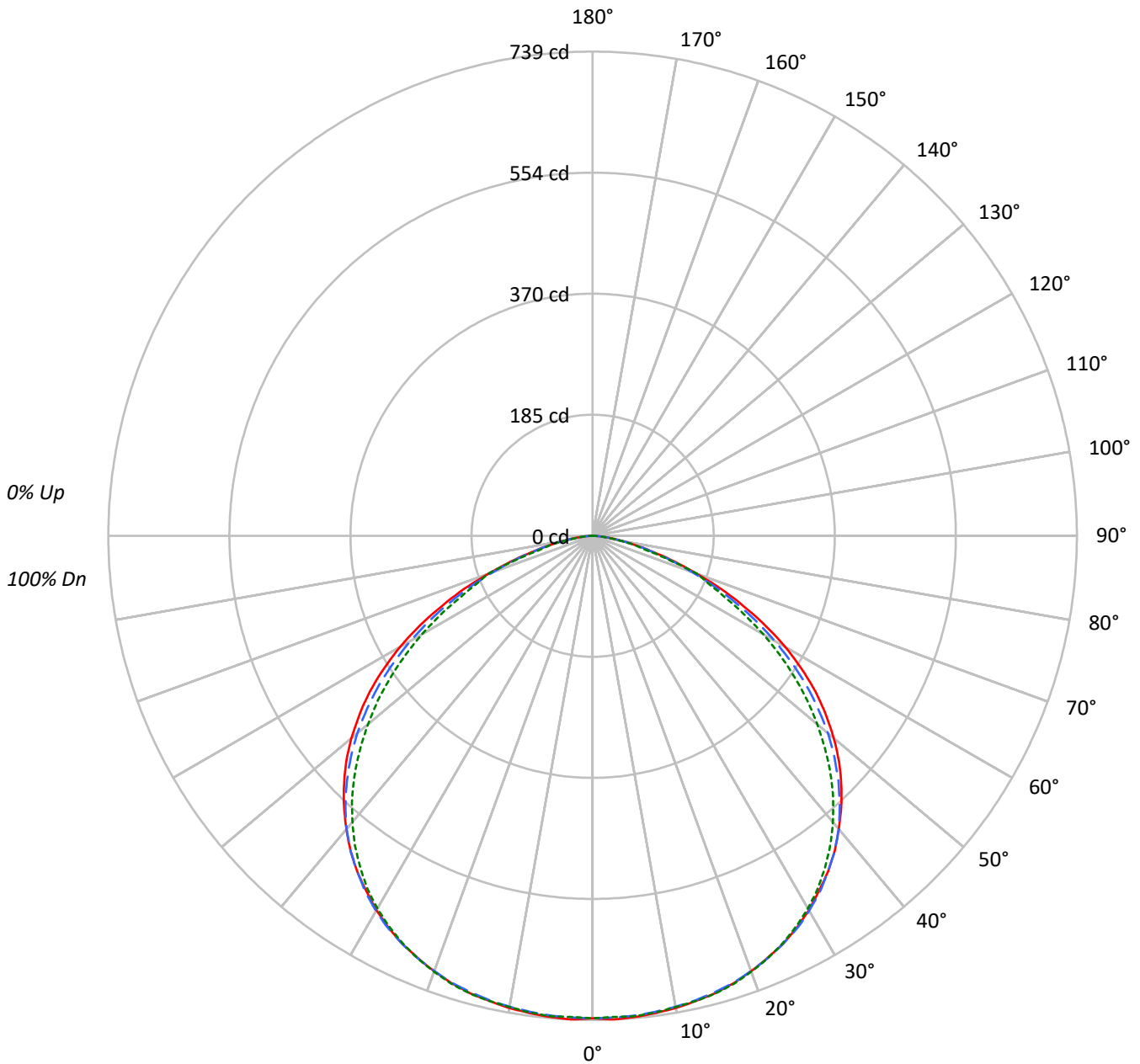
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2097.4 lumens
Efficiency: N/A
Efficacy: 92.4 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°	1982	1982	1982
5°	1992	1986	1988
10°	2000	1994	1995
15°	2013	2009	2016
20°	2025	2024	2028
25°	2041	2041	2037
30°	2050	2054	2041
35°	2057	2057	2031
40°	2053	2052	2003
45°	2042	2019	1953
50°	2011	1963	1873
55°	1949	1867	1765
60°	1826	1725	1618
65°	1617	1524	1424
70°	1320	1261	1330
75°	996	978	879
80°	716	671	671
85°	451	423	374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	3.3
10°-20°	203.9	9.7
20°-30°	316.5	15.1
30°-40°	389.8	18.6
40°-50°	405.8	19.3
50°-60°	352.9	16.8
60°-70°	237.1	11.3
70°-80°	102.6	4.9
80°-90°	18.8	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°	590.3	28.1
0°-40°	980.1	46.7
0°-60°	1738.8	82.9
0°-90°	2097.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2097.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	737	733	735	737	736	70
15°	723	718	721	724	724	204
25°	687	684	687	687	686	317
35°	626	624	626	621	618	391
45°	537	535	530	518	513	413
55°	416	408	398	382	376	369
65°	254	249	239	228	224	252
75°	96	97	94	96	84	106
85°	15	15	14	12	12	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	736.4	736.4	736.4	736.4	736.4
2.5°	738.9	734.4	736.0	738.5	735.2
5°	737.3	732.7	735.2	736.9	736.0
7.5°	734.8	731.4	732.7	734.4	733.9
10°	731.9	728.5	729.8	731.4	730.2
12.5°	727.3	723.5	726.0	727.7	727.3
15°	722.7	717.7	721.0	723.5	723.5
17.5°	716.0	711.9	715.2	717.3	716.9
20°	707.3	704.4	706.9	708.6	708.1
22.5°	697.3	695.2	698.1	698.1	698.1
25°	687.3	684.0	687.3	687.3	686.1
27.5°	674.4	671.5	675.7	674.4	672.3
30°	659.8	658.2	661.1	659.0	656.9
32.5°	642.8	641.9	644.9	640.7	639.0
35°	626.1	624.5	626.1	620.7	618.2
37.5°	606.6	604.9	606.6	599.5	595.7
40°	584.5	583.2	584.1	574.9	570.3
42.5°	561.6	560.3	558.3	547.0	543.3
45°	536.6	535.0	530.4	518.3	513.3
47.5°	510.0	507.1	500.4	487.5	480.8
50°	480.4	476.3	468.8	454.6	447.5
52.5°	448.4	443.4	433.8	419.6	413.0
55°	415.5	408.0	398.0	382.2	376.3
57.5°	378.0	370.1	359.7	345.1	338.5
60°	339.3	331.4	320.6	307.2	300.6
62.5°	298.1	291.0	280.2	267.7	261.9
65°	253.9	249.4	239.4	228.1	223.6
67.5°	212.3	207.7	199.4	189.8	191.5
70°	167.8	167.4	160.3	153.6	169.0
72.5°	130.7	129.9	126.1	122.8	122.0
75°	95.8	96.6	94.1	96.2	84.5
77.5°	67.4	68.3	67.9	62.0	64.9
80°	46.2	46.2	43.3	41.2	43.3
82.5°	27.9	33.3	30.0	24.6	23.7
85°	14.6	15.0	13.7	12.1	12.1
87.5°	5.4	6.2	5.4	5.0	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)