

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: P505843

Luminaire Tested: **14PD-25-PL1-L940**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P505843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PL1-L940
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

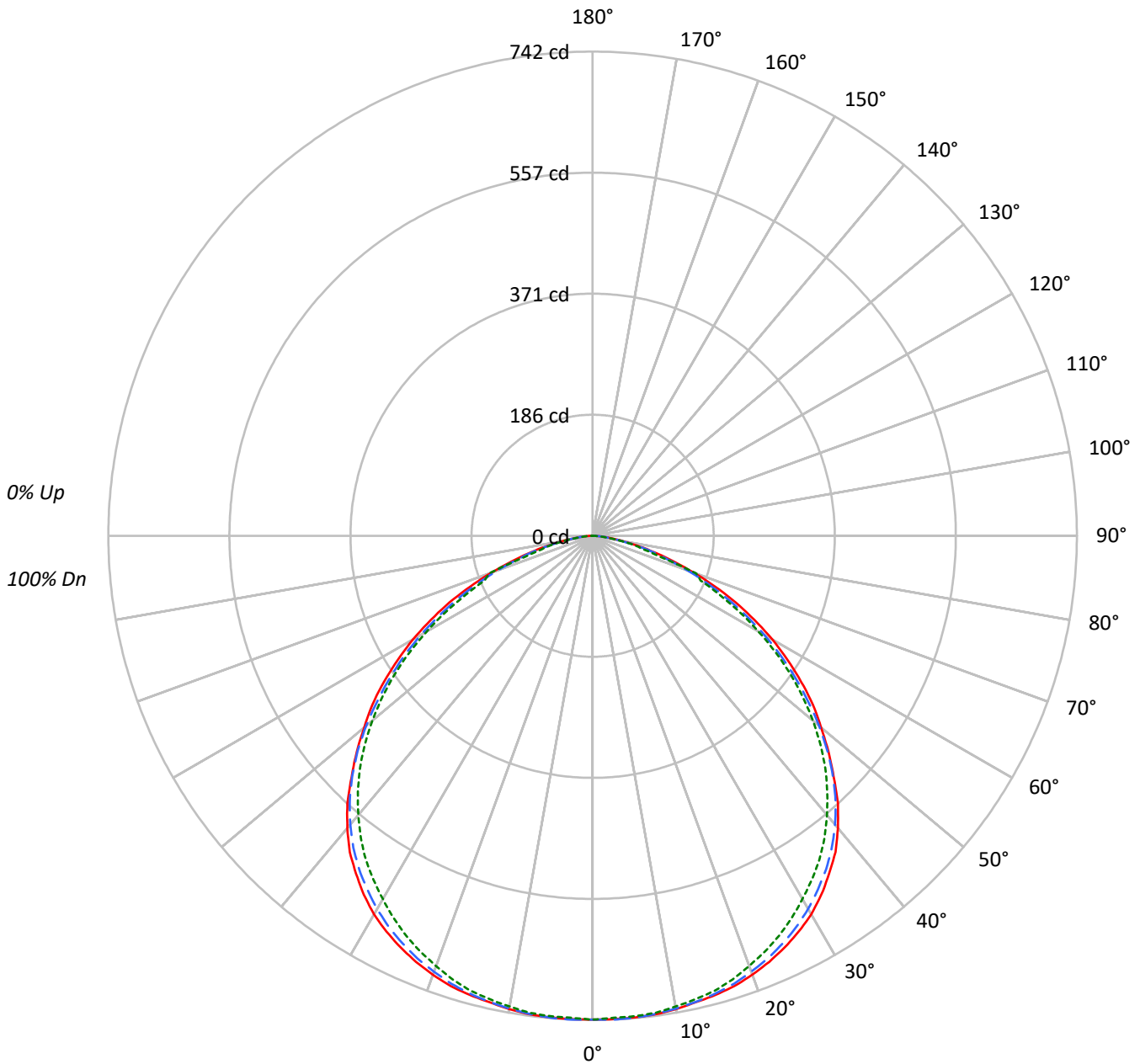
Lumens per Lamp: N/A
Luminaire Lumens: 2060.7 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	98	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	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1995	1995	1995
5°	2002	2003	1996
10°	2012	2010	2002
15°	2029	2024	2011
20°	2050	2036	2009
25°	2067	2047	2008
30°	2081	2052	1998
35°	2076	2049	1990
40°	2054	2030	1962
45°	1988	1982	1918
50°	1912	1896	1844
55°	1830	1777	1736
60°	1709	1632	1578
65°	1540	1444	1366
70°	1288	1208	1327
75°	1016	978	846
80°	731	649	663
85°	466	389	364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	3.4
10°-20°	204.9	9.9
20°-30°	316.8	15.4
30°-40°	387.8	18.8
40°-50°	397.5	19.3
50°-60°	338.6	16.4
60°-70°	226.3	11.0
70°-80°	100.3	4.9
80°-90°	18.1	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°	592.2	28.7
0°-40°	980.0	47.6
0°-60°	1716.0	83.3
0°-90°	2060.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2060.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	741	741	741	741	741	
5°	741	739	741	741	739	71
15°	728	726	726	724	722	206
25°	696	694	689	680	676	321
35°	632	630	624	610	606	395
45°	522	524	521	509	504	403
55°	390	388	379	371	370	348
65°	242	240	227	217	215	238
75°	98	99	94	94	81	106
85°	15	15	13	12	12	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	741.4	741.4	741.4	741.4	741.4
2.5°	741.4	740.2	742.2	743.1	739.4
5°	741.0	739.4	741.4	741.0	739.0
7.5°	739.8	737.0	739.0	738.2	737.4
10°	736.5	734.1	735.7	734.5	732.5
12.5°	732.1	730.4	731.7	730.4	727.6
15°	728.4	726.0	726.4	724.3	721.9
17.5°	723.5	719.9	719.9	715.8	712.9
20°	715.8	712.5	710.9	705.2	701.5
22.5°	706.8	704.4	701.1	693.8	689.7
25°	696.2	693.8	689.3	680.4	676.3
27.5°	684.0	680.8	675.9	665.3	660.4
30°	669.8	665.7	660.4	648.6	642.9
32.5°	652.3	649.4	642.5	630.3	625.0
35°	631.9	630.3	623.8	609.9	605.9
37.5°	611.1	607.9	602.2	587.5	583.5
40°	584.7	582.6	577.8	563.5	558.6
42.5°	556.2	555.0	550.9	537.4	532.2
45°	522.4	524.0	520.8	508.9	504.1
47.5°	490.2	489.4	488.2	477.6	473.5
50°	456.8	455.2	452.8	444.2	440.5
52.5°	425.5	422.2	415.7	408.4	405.9
55°	390.1	388.0	378.7	370.9	370.1
57.5°	354.2	353.0	341.6	332.6	332.6
60°	317.6	316.0	303.3	294.0	293.2
62.5°	279.3	278.1	265.1	254.5	254.9
65°	241.9	239.8	226.8	216.6	214.6
67.5°	202.8	202.0	189.3	180.0	179.1
70°	163.7	163.7	153.5	145.4	168.6
72.5°	129.1	127.8	119.7	116.0	110.7
75°	97.7	98.9	94.1	94.5	81.4
77.5°	69.6	67.6	65.6	61.1	64.7
80°	47.2	46.0	41.9	40.7	42.8
82.5°	29.3	29.7	26.1	23.6	23.2
85°	15.1	14.7	12.6	12.2	11.8
87.5°	5.7	6.1	5.3	4.9	4.5
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)