

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: P506027

Luminaire Tested: **14PD-60-PL1-L840**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506027
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-60-PL1-L840
Description: 6000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

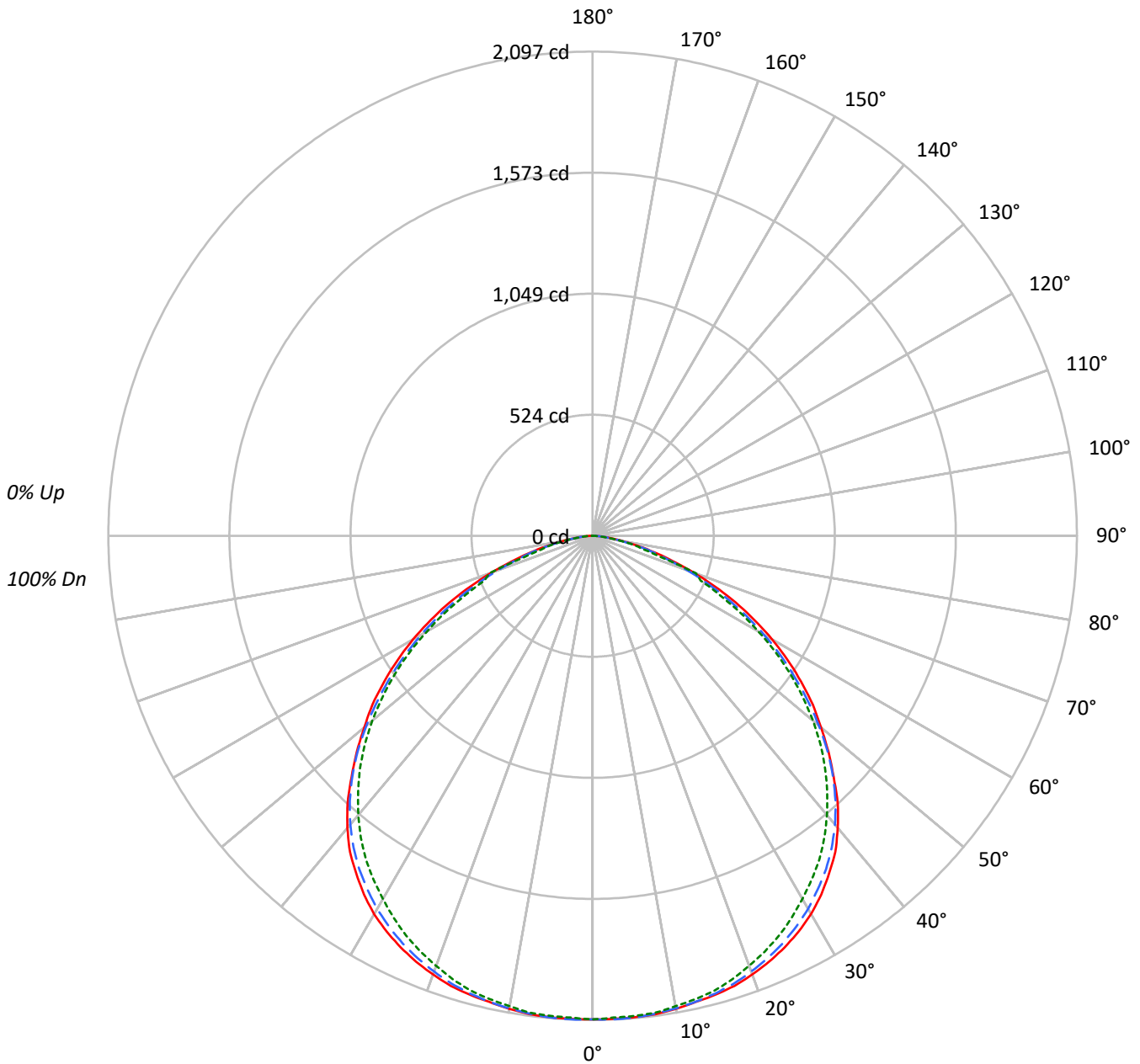
Lumens per Lamp: N/A
Luminaire Lumens: 5821.6 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
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°	5637	5637	5637
5°	5655	5658	5639
10°	5686	5679	5654
15°	5733	5717	5682
20°	5791	5751	5676
25°	5840	5782	5673
30°	5880	5797	5644
35°	5865	5789	5623
40°	5802	5734	5544
45°	5616	5599	5419
50°	5403	5355	5210
55°	5170	5019	4906
60°	4829	4612	4457
65°	4351	4080	3860
70°	3638	3412	3747
75°	2871	2763	2392
80°	2067	1836	1872
85°	1315	1102	1031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.2	3.4
10°-20°	578.9	9.9
20°-30°	895.0	15.4
30°-40°	1095.4	18.8
40°-50°	1123.0	19.3
50°-60°	956.5	16.4
60°-70°	639.1	11.0
70°-80°	283.3	4.9
80°-90°	51.2	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°	1673.1	28.7
0°-40°	2768.5	47.6
0°-60°	4848.0	83.3
0°-90°	5821.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5821.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2095	2095	2095	2095	2095	
5°	2094	2089	2095	2094	2088	199
15°	2058	2051	2052	2046	2039	582
25°	1967	1960	1947	1922	1911	907
35°	1785	1781	1762	1723	1712	1116
45°	1476	1480	1471	1438	1424	1139
55°	1102	1096	1070	1048	1046	983
65°	683	678	641	612	606	673
75°	276	280	266	267	230	299
85°	43	41	36	34	33	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2094.6	2094.6	2094.6	2094.6	2094.6
2.5°	2094.6	2091.2	2096.9	2099.2	2088.9
5°	2093.5	2088.9	2094.6	2093.5	2087.7
7.5°	2090.0	2082.0	2087.7	2085.4	2083.1
10°	2080.8	2073.9	2078.5	2075.1	2069.3
12.5°	2068.2	2063.6	2067.0	2063.6	2055.5
15°	2057.8	2050.9	2052.1	2046.3	2039.4
17.5°	2044.0	2033.7	2033.7	2022.2	2014.1
20°	2022.2	2013.0	2008.4	1992.2	1981.9
22.5°	1996.9	1989.9	1980.7	1960.0	1948.5
25°	1966.9	1960.0	1947.4	1922.1	1910.6
27.5°	1932.4	1923.2	1909.4	1879.5	1865.7
30°	1892.2	1880.7	1865.7	1832.4	1816.3
32.5°	1842.7	1834.7	1815.1	1780.6	1765.6
35°	1785.2	1780.6	1762.2	1723.1	1711.6
37.5°	1726.5	1717.3	1701.2	1659.8	1648.3
40°	1651.8	1646.0	1632.2	1592.0	1578.2
42.5°	1571.3	1567.8	1556.3	1518.3	1503.4
45°	1475.8	1480.4	1471.2	1437.8	1424.0
47.5°	1384.9	1382.6	1379.2	1349.3	1337.8
50°	1290.6	1286.0	1279.1	1254.9	1244.6
52.5°	1202.0	1192.8	1174.4	1153.7	1146.8
55°	1101.9	1096.2	1069.7	1047.9	1045.6
57.5°	1000.7	997.3	965.1	939.8	939.8
60°	897.2	892.6	856.9	830.5	828.2
62.5°	789.1	785.6	748.8	718.9	720.1
65°	683.3	677.5	640.7	611.9	606.2
67.5°	572.8	570.5	534.9	508.4	506.1
70°	462.4	462.4	433.6	410.6	476.2
72.5°	364.6	361.2	338.2	327.8	312.9
75°	276.1	279.5	265.7	266.9	230.1
77.5°	196.7	190.9	185.2	172.5	182.9
80°	133.4	130.0	118.5	115.0	120.8
82.5°	82.8	84.0	73.6	66.7	65.6
85°	42.6	41.4	35.7	34.5	33.4
87.5°	16.1	17.3	15.0	13.8	12.7
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)