

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: P506097

Luminaire Tested: **14PD-70-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506097
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-70-PW1-L830
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

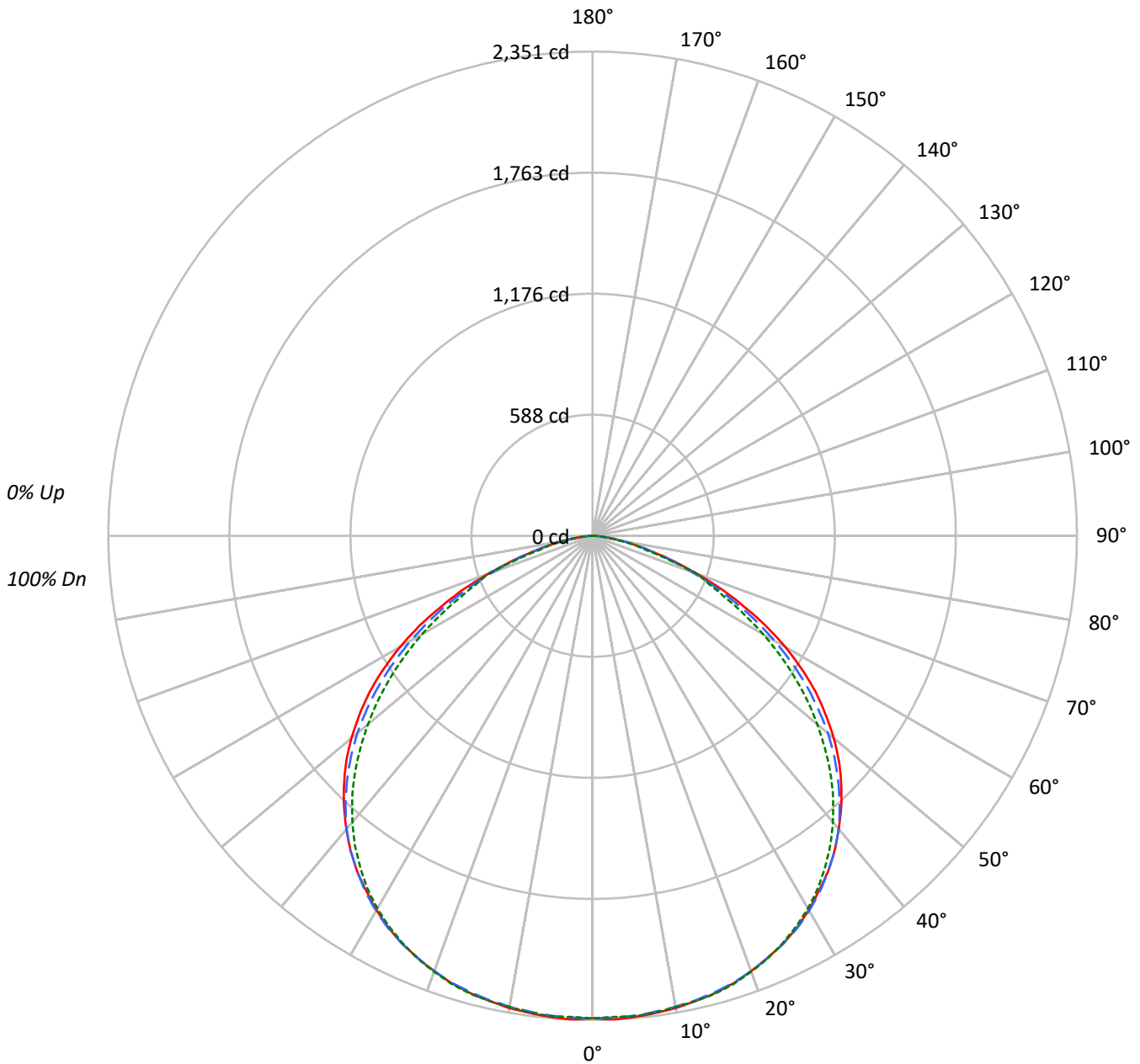
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6672.0 lumens
Efficiency: N/A
Efficacy: 93.7 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): 71.2
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

TEST NUMBER: P506097
CATALOG NUMBER: 14PD-70-PW1-L830

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	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°	6304	6304	6304
5°	6336	6317	6325
10°	6362	6343	6347
15°	6405	6390	6412
20°	6443	6440	6451
25°	6492	6492	6480
30°	6522	6535	6494
35°	6543	6543	6460
40°	6531	6527	6373
45°	6496	6421	6214
50°	6398	6243	5960
55°	6201	5940	5617
60°	5809	5488	5146
65°	5144	4849	4528
70°	4199	4012	4231
75°	3167	3112	2795
80°	2278	2134	2134
85°	1433	1349	1186



TEST NUMBER: P506097

CATALOG NUMBER: 14PD-70-PW1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.8	3.3
10°-20°	648.5	9.7
20°-30°	1006.7	15.1
30°-40°	1239.9	18.6
40°-50°	1290.9	19.3
50°-60°	1122.6	16.8
60°-70°	754.2	11.3
70°-80°	326.4	4.9
80°-90°	59.9	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°	1878.0	28.1
0°-40°	3117.9	46.7
0°-60°	5531.4	82.9
0°-90°	6672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6672.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2343	2343	2343	2343	2343	
5°	2345	2331	2339	2344	2341	223
15°	2299	2283	2294	2302	2302	649
25°	2186	2176	2186	2186	2182	1008
35°	1992	1986	1992	1975	1967	1245
45°	1707	1702	1687	1649	1633	1315
55°	1322	1298	1266	1216	1197	1175
65°	808	793	762	726	711	800
75°	305	307	299	306	269	336
85°	46	48	44	38	38	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2342.7	2342.7	2342.7	2342.7	2342.7
2.5°	2350.7	2336.1	2341.4	2349.3	2338.7
5°	2345.4	2330.8	2338.7	2344.0	2341.4
7.5°	2337.4	2326.8	2330.8	2336.1	2334.8
10°	2328.2	2317.6	2321.5	2326.8	2322.9
12.5°	2313.6	2301.7	2309.6	2314.9	2313.6
15°	2299.0	2283.1	2293.7	2301.7	2301.7
17.5°	2277.8	2264.6	2275.2	2281.8	2280.5
20°	2250.0	2240.7	2248.7	2254.0	2252.7
22.5°	2218.2	2211.6	2220.9	2220.9	2220.9
25°	2186.4	2175.9	2186.4	2186.4	2182.5
27.5°	2145.4	2136.1	2149.4	2145.4	2138.8
30°	2099.0	2093.7	2103.0	2096.4	2089.8
32.5°	2044.7	2042.1	2051.4	2038.1	2032.8
35°	1991.8	1986.5	1991.8	1974.6	1966.6
37.5°	1929.5	1924.2	1929.5	1907.0	1895.1
40°	1859.3	1855.4	1858.0	1828.9	1814.3
42.5°	1786.5	1782.5	1775.9	1740.2	1728.2
45°	1707.0	1701.7	1687.2	1648.8	1632.9
47.5°	1622.3	1613.0	1591.8	1550.8	1529.6
50°	1528.3	1515.0	1491.2	1446.2	1423.6
52.5°	1426.3	1410.4	1379.9	1334.9	1313.7
55°	1321.7	1297.8	1266.0	1215.7	1197.2
57.5°	1202.5	1177.3	1144.2	1097.9	1076.7
60°	1079.3	1054.2	1019.7	977.3	956.2
62.5°	948.2	925.7	891.3	851.5	833.0
65°	807.8	793.3	761.5	725.7	711.2
67.5°	675.4	660.8	634.3	603.9	609.2
70°	533.7	532.4	509.9	488.7	537.7
72.5°	415.8	413.2	401.3	390.7	388.0
75°	304.6	307.2	299.3	305.9	268.8
77.5°	214.5	217.2	215.9	197.3	206.6
80°	147.0	147.0	137.7	131.1	137.7
82.5°	88.7	105.9	95.4	78.1	75.5
85°	46.4	47.7	43.7	38.4	38.4
87.5°	17.2	19.9	17.2	15.9	14.6
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)