

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: P506147

Luminaire Tested: **14PD-80-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-80-PR1-L930
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

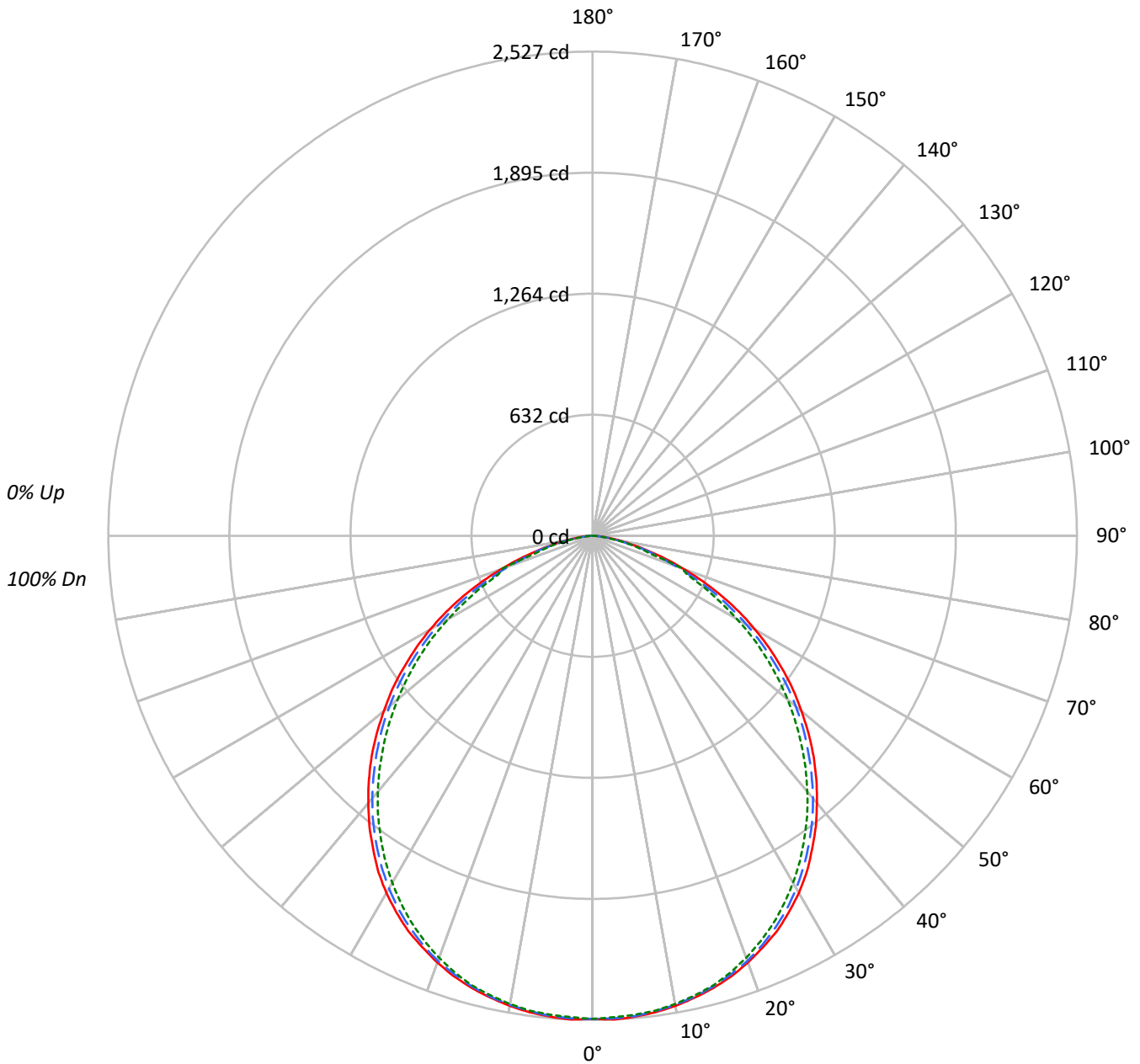
Lumens per Lamp: N/A
Luminaire Lumens: 6488.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 84.4
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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6784	6784	6784
5°	6807	6797	6780
10°	6807	6793	6780
15°	6804	6783	6769
20°	6787	6762	6712
25°	6759	6699	6625
30°	6689	6604	6499
35°	6559	6461	6329
40°	6395	6285	6123
45°	6206	6054	5864
50°	5949	5792	5557
55°	5659	5437	5179
60°	5269	4993	4684
65°	4731	4397	4111
70°	3979	3626	3920
75°	3064	2947	2648
80°	2205	1974	1877
85°	1349	1158	1041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.0	3.7
10°-20°	686.5	10.6
20°-30°	1037.0	16.0
30°-40°	1226.9	18.9
40°-50°	1223.3	18.9
50°-60°	1033.4	15.9
60°-70°	688.6	10.6
70°-80°	299.1	4.6
80°-90°	54.3	0.8
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°	1962.5	30.2
0°-40°	3189.4	49.2
0°-60°	5446.1	83.9
0°-90°	6488.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6488.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2521	2521	2521	2521	2521	
5°	2520	2510	2516	2514	2510	240
15°	2442	2431	2435	2431	2430	689
25°	2276	2261	2256	2236	2231	1048
35°	1997	1983	1967	1940	1927	1249
45°	1631	1616	1591	1557	1541	1256
55°	1206	1198	1159	1121	1104	1077
65°	743	734	690	660	646	734
75°	295	288	283	274	255	322
85°	44	45	38	35	34	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2521.1	2521.1	2521.1	2521.1	2521.1
2.5°	2527.3	2516.1	2521.1	2521.1	2514.8
5°	2519.8	2509.8	2516.1	2513.6	2509.8
7.5°	2508.6	2498.6	2502.3	2501.1	2499.8
10°	2491.1	2481.1	2486.1	2483.6	2481.1
12.5°	2468.6	2458.6	2463.6	2459.9	2457.4
15°	2442.4	2431.2	2434.9	2431.2	2429.9
17.5°	2409.9	2398.7	2399.9	2394.9	2390.0
20°	2370.0	2360.0	2361.2	2348.7	2343.7
22.5°	2323.8	2313.8	2312.5	2296.3	2290.1
25°	2276.3	2261.3	2256.3	2236.4	2231.4
27.5°	2216.4	2202.7	2195.2	2173.9	2163.9
30°	2152.7	2137.7	2125.2	2101.5	2091.5
32.5°	2080.3	2065.3	2049.1	2024.1	2012.9
35°	1996.6	1982.9	1966.7	1940.4	1926.7
37.5°	1913.0	1898.0	1881.7	1850.5	1839.3
40°	1820.6	1806.8	1789.3	1755.6	1743.1
42.5°	1728.2	1711.9	1690.7	1658.2	1644.5
45°	1630.8	1615.8	1590.8	1557.1	1540.9
47.5°	1528.4	1515.9	1489.7	1453.4	1436.0
50°	1421.0	1411.0	1383.5	1343.6	1327.3
52.5°	1318.6	1304.9	1273.6	1233.7	1216.2
55°	1206.2	1197.5	1158.8	1121.3	1103.8
57.5°	1093.8	1082.6	1043.9	1006.4	990.2
60°	979.0	969.0	927.8	890.3	870.3
62.5°	862.8	851.6	807.9	774.2	755.4
65°	743.0	734.2	690.5	660.5	645.6
67.5°	623.1	616.8	570.6	545.7	534.4
70°	505.7	497.0	460.8	450.8	498.2
72.5°	397.1	385.8	354.6	338.4	325.9
75°	294.7	288.4	283.4	273.5	254.7
77.5°	207.3	206.0	188.5	174.8	188.5
80°	142.3	147.3	127.4	116.1	121.1
82.5°	87.4	97.4	76.2	67.4	64.9
85°	43.7	45.0	37.5	35.0	33.7
87.5°	16.2	18.7	16.2	13.7	13.7
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)