

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: P506852

Luminaire Tested: **24PD-80-PR1-L950**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-80-PR1-L950
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

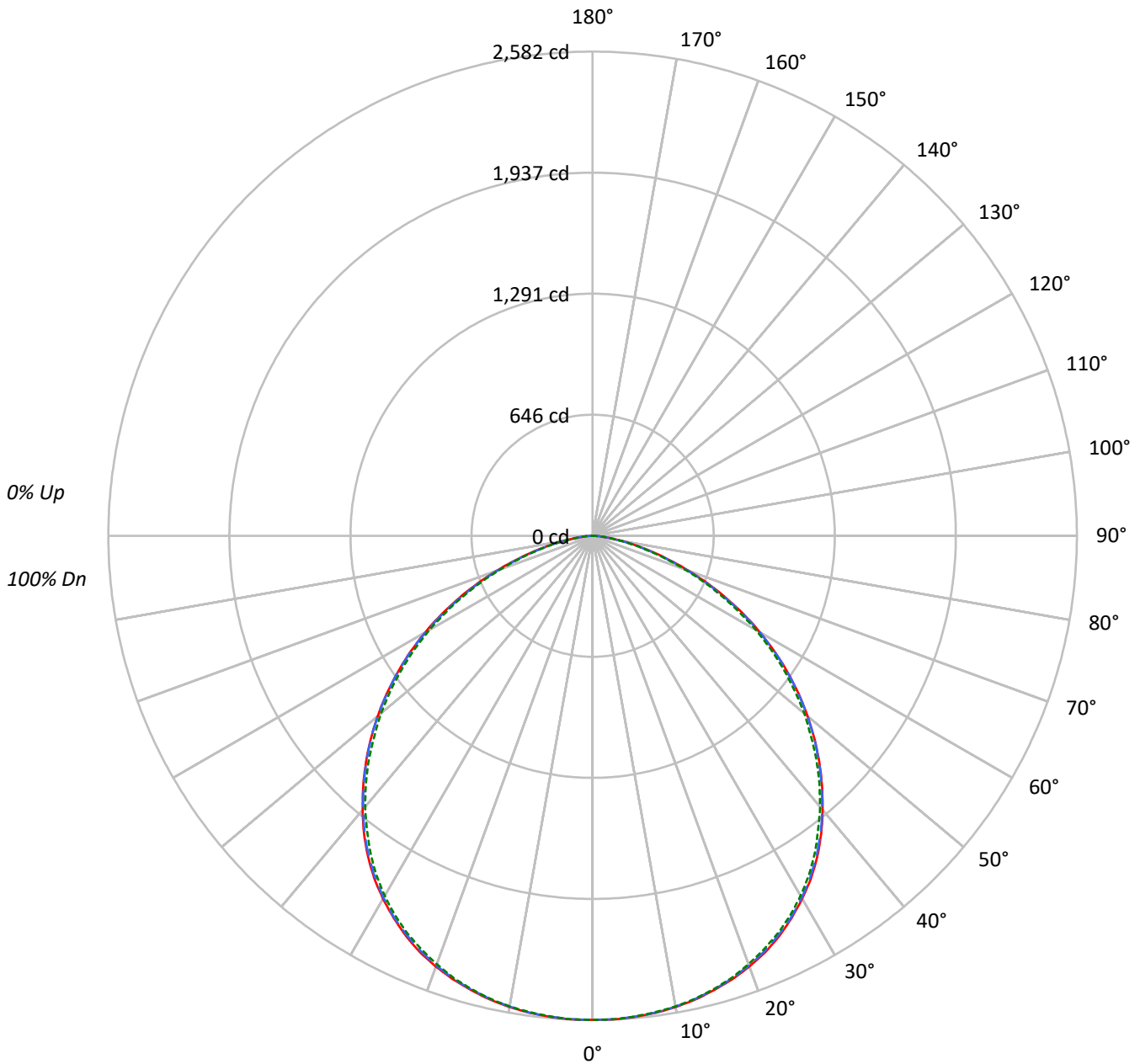
Lumens per Lamp: N/A
Luminaire Lumens: 6949.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.2
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

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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	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3473	3473	3473
5°	3479	3477	3475
10°	3486	3483	3482
15°	3493	3489	3485
20°	3500	3492	3481
25°	3496	3487	3472
30°	3473	3463	3445
35°	3430	3420	3392
40°	3351	3343	3313
45°	3252	3247	3210
50°	3131	3130	3082
55°	2978	2971	2915
60°	2775	2764	2701
65°	2500	2471	2413
70°	2135	2103	2051
75°	1687	1650	1612
80°	1199	1168	1131
85°	721	699	679



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.0	3.5
10°-20°	707.3	10.2
20°-30°	1081.3	15.6
30°-40°	1298.5	18.7
40°-50°	1312.2	18.9
50°-60°	1127.5	16.2
60°-70°	769.1	11.1
70°-80°	345.8	5.0
80°-90°	62.2	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°	2033.6	29.3
0°-40°	3332.1	48.0
0°-60°	5771.9	83.1
0°-90°	6949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6949.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2581	2581	2581	2581	2581	
5°	2576	2575	2574	2573	2573	245
15°	2508	2507	2504	2502	2502	708
25°	2355	2354	2348	2340	2338	1085
35°	2088	2088	2082	2069	2065	1304
45°	1709	1714	1707	1695	1687	1317
55°	1269	1274	1267	1255	1243	1133
65°	785	789	776	771	758	777
75°	325	327	317	315	310	352
85°	47	47	45	45	44	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2581.2	2581.2	2581.2	2581.2	2581.2
2.5°	2581.8	2581.2	2580.5	2579.2	2581.2
5°	2575.8	2575.2	2574.5	2573.2	2573.2
7.5°	2566.5	2565.2	2565.2	2563.2	2562.5
10°	2551.8	2551.2	2549.2	2549.2	2548.5
12.5°	2533.2	2531.8	2529.8	2529.2	2527.8
15°	2507.8	2507.2	2504.5	2502.5	2501.8
17.5°	2479.2	2477.2	2475.2	2470.5	2470.5
20°	2444.5	2443.2	2438.5	2433.8	2431.2
22.5°	2404.5	2401.8	2396.5	2391.8	2386.5
25°	2355.2	2354.5	2348.5	2340.5	2338.5
27.5°	2297.9	2299.2	2293.2	2285.2	2281.2
30°	2235.2	2237.9	2229.2	2219.2	2217.2
32.5°	2166.5	2167.2	2159.9	2149.2	2145.2
35°	2088.5	2088.5	2081.9	2069.2	2065.2
37.5°	2001.9	2001.2	1997.2	1982.5	1975.2
40°	1907.9	1911.2	1903.2	1889.9	1886.5
42.5°	1810.6	1814.6	1807.2	1795.9	1788.6
45°	1709.2	1713.9	1706.6	1694.6	1687.2
47.5°	1604.6	1607.9	1602.6	1587.2	1577.2
50°	1495.9	1502.6	1495.2	1479.2	1472.6
52.5°	1383.9	1391.2	1382.6	1370.6	1357.9
55°	1269.3	1273.9	1266.6	1255.3	1242.6
57.5°	1151.3	1160.6	1148.6	1135.3	1124.6
60°	1031.3	1039.3	1027.3	1015.3	1003.9
62.5°	909.3	914.6	901.3	893.9	880.6
65°	785.3	789.3	776.0	770.6	758.0
67.5°	662.6	666.0	653.3	646.0	638.6
70°	542.6	545.3	534.6	528.0	521.3
72.5°	429.3	430.0	420.0	418.0	410.0
75°	324.6	327.3	317.3	315.3	310.0
77.5°	233.3	234.0	227.3	226.0	221.3
80°	154.7	155.3	150.7	150.0	146.0
82.5°	93.3	94.0	90.0	90.0	87.3
85°	46.7	47.3	45.3	45.3	44.0
87.5°	16.0	16.7	16.0	16.0	15.3
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)