

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: P506619

Luminaire Tested: **24PD-40-PL1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-40-PL1-L830
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

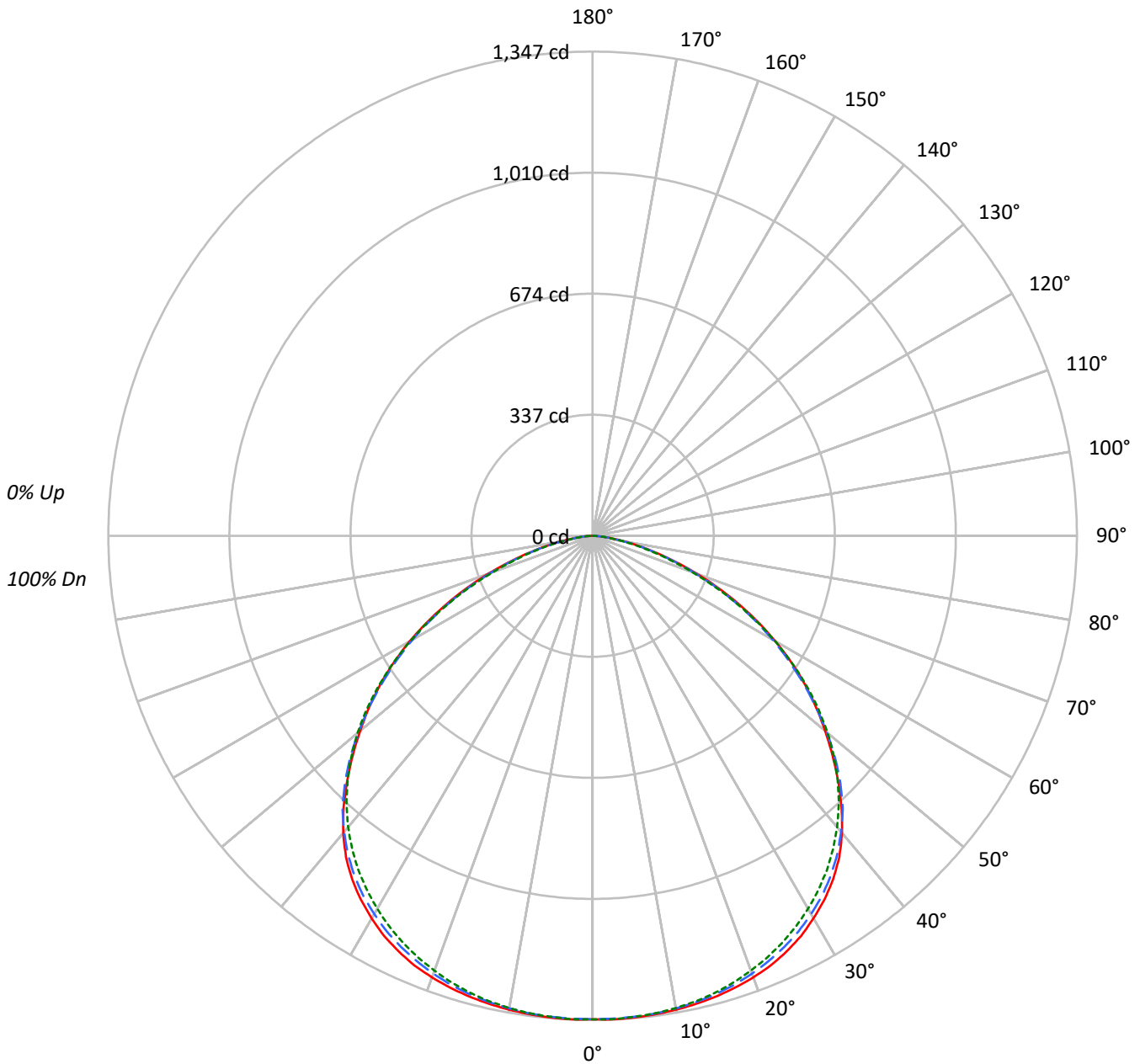
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3858.8 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.4
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				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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72			
3	91	81	73	67	89	79	72	66	76	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	48	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	33	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	53	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°	1810	1810	1810
5°	1817	1814	1814
10°	1829	1824	1823
15°	1849	1839	1834
20°	1872	1856	1843
25°	1895	1873	1854
30°	1910	1888	1862
35°	1916	1897	1865
40°	1896	1888	1858
45°	1838	1854	1834
50°	1766	1779	1786
55°	1690	1677	1702
60°	1581	1555	1575
65°	1422	1394	1393
70°	1211	1184	1156
75°	953	933	894
80°	682	662	625
85°	404	398	369



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.0	3.3
10°-20°	373.4	9.7
20°-30°	582.0	15.1
30°-40°	720.2	18.7
40°-50°	746.6	19.3
50°-60°	642.8	16.7
60°-70°	436.1	11.3
70°-80°	194.6	5.0
80°-90°	35.0	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°	1083.4	28.1
0°-40°	1803.6	46.7
0°-60°	3193.0	82.7
0°-90°	3858.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3858.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1345	1345	1345	1345	1345	
5°	1345	1343	1343	1343	1343	128
15°	1327	1323	1320	1318	1316	375
25°	1276	1272	1262	1253	1249	588
35°	1166	1163	1155	1142	1136	728
45°	966	970	975	971	964	744
55°	720	721	715	723	726	643
65°	447	449	438	433	438	442
75°	183	185	179	175	172	199
85°	26	26	26	26	24	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1345.1	1345.1	1345.1	1345.1	1345.1
2.5°	1347.0	1344.0	1344.4	1344.8	1346.3
5°	1345.1	1343.3	1342.9	1342.9	1343.3
7.5°	1342.9	1340.7	1340.4	1340.0	1340.0
10°	1338.9	1336.7	1335.2	1334.5	1334.1
12.5°	1333.4	1330.8	1328.9	1327.5	1326.4
15°	1327.1	1323.4	1320.5	1317.5	1316.4
17.5°	1318.3	1314.9	1309.8	1305.0	1303.2
20°	1307.2	1303.9	1296.5	1289.9	1287.3
22.5°	1294.3	1289.5	1280.3	1273.0	1269.3
25°	1276.3	1271.5	1261.9	1252.7	1249.0
27.5°	1255.3	1250.9	1240.5	1229.5	1225.1
30°	1229.1	1226.2	1215.1	1203.0	1198.2
32.5°	1200.0	1197.1	1187.5	1173.9	1168.3
35°	1166.5	1163.2	1154.7	1142.2	1135.6
37.5°	1126.7	1125.6	1117.5	1104.6	1098.4
40°	1079.2	1081.4	1075.2	1064.1	1057.8
42.5°	1025.1	1029.9	1029.9	1019.5	1013.3
45°	965.8	970.2	974.6	970.9	963.9
47.5°	905.0	909.8	914.9	916.4	910.5
50°	843.8	846.8	850.1	856.7	853.1
52.5°	783.1	784.2	783.1	791.9	791.2
55°	720.5	720.8	714.9	723.0	725.6
57.5°	655.3	656.4	646.8	651.2	656.7
60°	587.5	588.6	577.9	578.6	585.3
62.5°	517.5	519.0	508.3	505.7	511.6
65°	446.8	448.6	437.9	433.2	437.6
67.5°	376.4	378.6	368.7	362.8	363.9
70°	307.9	309.8	300.9	295.4	293.9
72.5°	242.7	244.6	237.6	232.0	229.5
75°	183.4	184.9	179.4	175.3	172.0
77.5°	131.9	133.0	128.5	125.6	122.3
80°	88.0	88.4	85.5	83.6	80.7
82.5°	52.7	53.0	51.2	50.5	48.3
85°	26.2	26.5	25.8	25.8	23.9
87.5°	9.2	8.8	9.2	9.2	8.1
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)