

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: P412972

Luminaire Tested: **14PD-25-PC3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PC3-L940
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

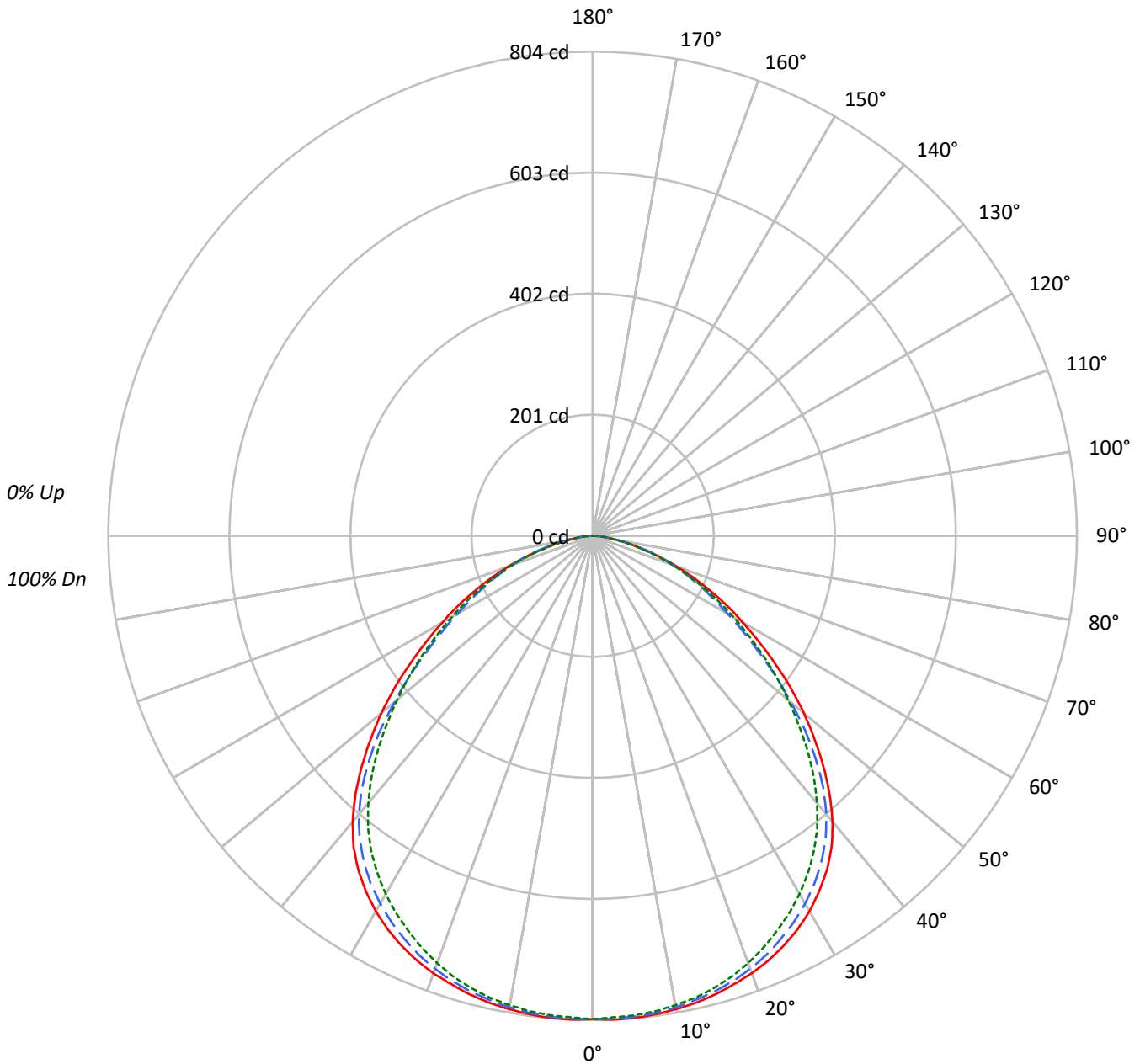
Lumens per Lamp: N/A
Luminaire Lumens: 2074.0 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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			100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88				86
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75				73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65				62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56				54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49				47
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43				41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39				37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35				33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31				30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2160	2160	2160
5°	2171	2165	2159
10°	2181	2173	2162
15°	2196	2182	2166
20°	2214	2191	2162
25°	2230	2194	2149
30°	2237	2192	2134
35°	2227	2174	2103
40°	2177	2121	2036
45°	2063	1993	1920
50°	1915	1793	1772
55°	1734	1581	1616
60°	1551	1392	1453
65°	1368	1248	1291
70°	1164	1105	1114
75°	895	943	869
80°	656	690	651
85°	438	485	472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	3.7
10°-20°	221.1	10.7
20°-30°	340.0	16.4
30°-40°	411.4	19.8
40°-50°	401.7	19.4
50°-60°	310.4	15.0
60°-70°	199.3	9.6
70°-80°	94.1	4.5
80°-90°	19.7	1.0
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°	637.4	30.7
0°-40°	1048.8	50.6
0°-60°	1760.9	84.9
0°-90°	2074.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2074.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	804	800	802	801	799	77
15°	788	784	783	780	778	223
25°	751	745	739	729	724	346
35°	678	671	662	647	640	423
45°	542	535	524	510	504	417
55°	370	352	337	337	344	331
65°	215	202	196	194	203	214
75°	86	88	91	83	84	94
85°	14	16	16	15	15	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	802.5	802.5	802.5	802.5	802.5
2.5°	804.3	801.1	802.9	802.9	800.4
5°	803.6	800.1	801.5	800.8	799.3
7.5°	801.5	797.9	799.0	798.3	796.5
10°	798.3	794.4	795.1	793.7	791.2
12.5°	794.0	790.4	789.7	787.6	785.8
15°	788.3	784.4	783.3	780.5	777.6
17.5°	780.8	776.9	775.2	770.9	767.7
20°	773.0	768.4	765.2	758.8	754.9
22.5°	763.1	757.7	753.5	744.6	740.6
25°	751.0	744.9	738.9	729.3	723.9
27.5°	736.7	730.3	723.2	712.5	706.5
30°	720.0	713.6	705.4	693.3	686.9
32.5°	700.1	693.7	685.2	671.3	664.9
35°	678.0	670.9	661.7	646.7	640.3
37.5°	651.7	643.9	635.3	619.0	612.2
40°	619.7	612.9	603.7	587.3	579.5
42.5°	582.7	576.7	566.3	550.7	543.2
45°	542.1	535.4	523.6	510.1	504.4
47.5°	499.8	489.9	478.5	466.7	463.5
50°	457.5	444.7	428.3	422.3	423.3
52.5°	414.1	397.7	383.5	378.9	384.2
55°	369.6	351.8	336.9	337.2	344.4
57.5°	327.3	308.8	296.3	296.3	305.6
60°	288.1	271.1	258.6	258.3	270.0
62.5°	251.9	234.4	225.2	225.2	235.9
65°	214.9	202.1	196.0	193.9	202.8
67.5°	180.7	171.8	167.6	165.1	170.8
70°	148.0	142.3	140.5	137.7	141.6
72.5°	115.6	114.2	117.7	111.0	112.8
75°	86.1	87.5	90.7	83.2	83.6
77.5°	61.9	64.7	65.8	62.3	62.3
80°	42.3	45.9	44.5	42.7	42.0
82.5°	27.0	28.8	28.8	27.7	27.0
85°	14.2	16.4	15.7	15.3	15.3
87.5°	5.3	7.5	7.5	7.1	6.8
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)