

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: METALUX

Report Number: P#

Luminaire Tested: **8ILED-LD5-22-W-TWB-UNV-L835-CD2-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34175)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-22-W-TWB-UNV-L835-CD2-U
Description: Metalux 8' ILED WITH THIN WHITE BAFFLE DISTRIBUTION

Light Source: (1) 3500 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

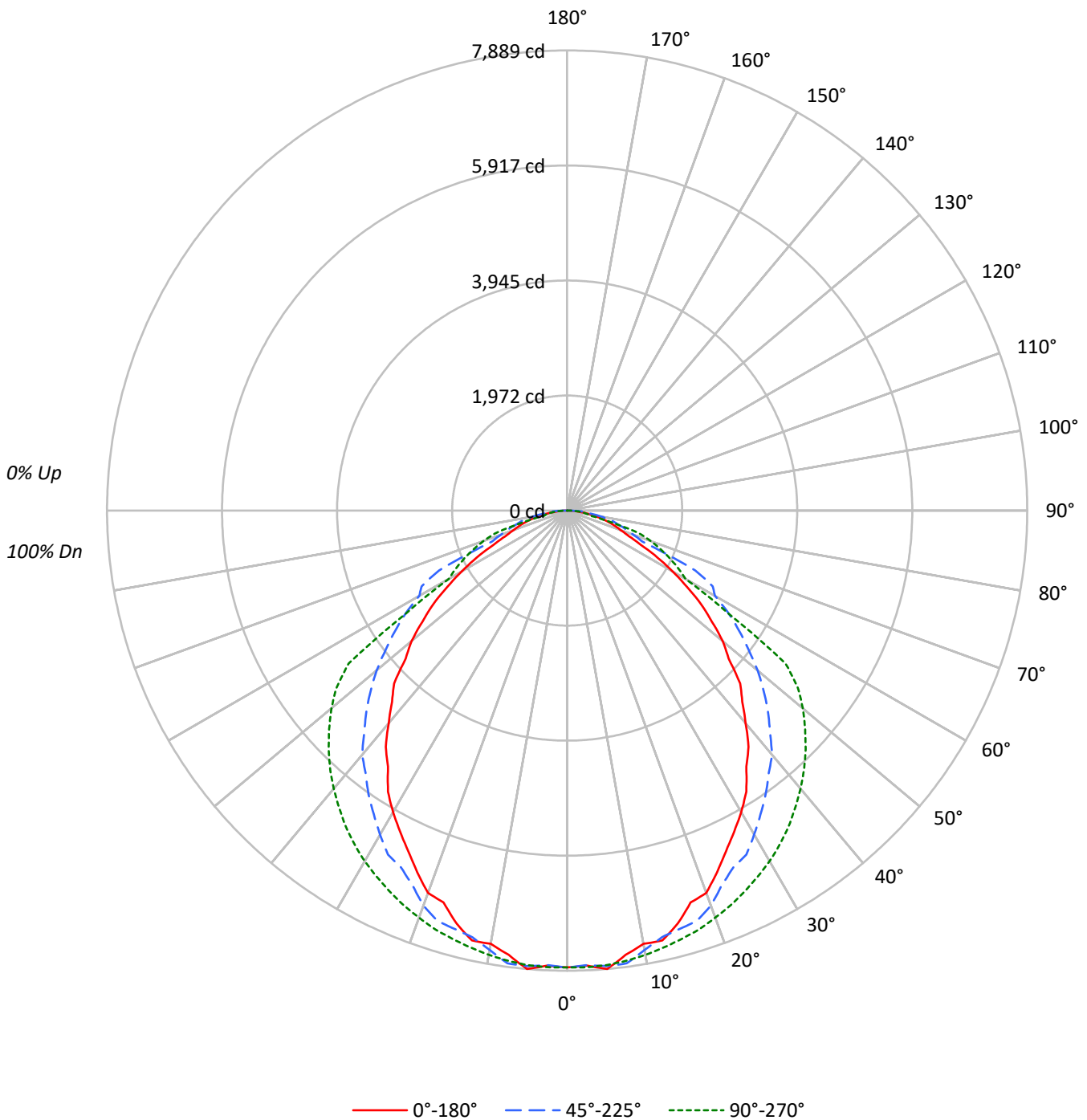
Lumens per Lamp: N/A
Luminaire Lumens: 19752.0 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.32 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 167.7
Input Voltage (V):
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	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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88					85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					72				
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64					62				
4	84	73	65	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	50	60	54	49	58	53	49					47				
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43					41				
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38					36				
8	62	49	41	35	61	48	40	35	47	40	35	46	39	35	45	39	34					32				
9	58	45	37	32	57	44	37	32	43	36	31	42	36	31	41	35	31					29				
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11496	11496	11496
5°	11611	11463	11414
10°	11218	11228	11310
15°	11099	11032	11221
20°	10848	10915	11158
25°	10374	10502	11101
30°	10044	10356	11067
35°	9512	10033	11014
40°	9029	9767	10928
45°	8600	9306	10820
50°	7835	8831	10658
55°	7054	8222	10120
60°	5997	7473	5786
65°	4730	7108	5471
70°	4045	4192	5030
75°	3861	3815	3172
80°	3530	3371	1868
85°	2812	2533	1587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	742.0	3.8
10°-20°	2106.6	10.7
20°-30°	3144.4	15.9
30°-40°	3742.8	18.9
40°-50°	3784.3	19.2
50°-60°	3188.4	16.1
60°-70°	1842.4	9.3
70°-80°	909.4	4.6
80°-90°	291.7	1.5
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°	5993.0	30.3
0°-40°	9735.8	49.3
0°-60°	16708.5	84.6
0°-90°	19752.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19752.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7832	7832	7832	7832	7832	
5°	7889	7907	7838	7800	7820	737
15°	7328	7442	7427	7627	7600	2057
25°	6443	6562	6744	7072	7203	2975
35°	5355	5572	5936	6440	6616	3368
45°	4195	4323	4869	5453	5781	3183
55°	2806	3026	3608	4302	4571	2490
65°	1398	1705	2424	1822	1944	1440
75°	713	877	888	978	787	749
85°	191	236	298	355	212	219
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7832.4	7832.4	7832.4	7832.4	7832.4
2.5°	7808.6	7817.5	7799.6	7844.3	7835.4
5°	7889.1	7906.9	7838.4	7799.6	7820.5
7.5°	7683.3	7722.1	7829.4	7778.7	7784.7
10°	7543.2	7549.2	7647.6	7805.6	7734.0
12.5°	7549.2	7537.2	7492.5	7763.8	7671.4
15°	7328.5	7441.8	7426.9	7626.7	7599.8
17.5°	7045.3	7155.6	7379.2	7489.5	7528.3
20°	6976.7	6938.0	7206.3	7313.6	7426.9
22.5°	6711.4	6866.4	6940.9	7179.5	7325.6
25°	6443.0	6562.3	6744.2	7072.1	7203.3
27.5°	6201.5	6329.7	6651.7	6970.8	7075.1
30°	5969.0	6088.2	6413.2	6842.5	6940.9
32.5°	5715.5	5864.6	6171.7	6687.5	6785.9
35°	5354.8	5572.4	5936.2	6440.0	6616.0
37.5°	5107.3	5250.4	5676.8	6177.7	6422.2
40°	4761.5	4991.0	5465.1	5974.9	6225.4
42.5°	4442.4	4669.0	5146.1	5721.5	6013.7
45°	4195.0	4323.2	4868.8	5453.2	5781.1
47.5°	3753.7	4078.7	4567.7	5166.9	5533.7
50°	3482.4	3706.0	4263.5	4892.6	5274.3
52.5°	3130.6	3381.0	3920.7	4588.5	4985.1
55°	2805.6	3026.2	3607.6	4302.3	4570.6
57.5°	2435.9	2719.1	3282.6	3977.3	3261.8
60°	2087.1	2370.3	2924.9	2686.3	2343.5
62.5°	1753.1	2003.6	2814.5	2021.5	2149.7
65°	1398.3	1705.4	2424.0	1821.7	1943.9
67.5°	1147.9	1362.5	1398.3	1630.9	1738.2
70°	975.0	1079.3	1207.5	1446.0	1523.5
72.5°	846.7	891.5	1049.5	1285.0	1297.0
75°	712.6	876.6	888.5	977.9	787.1
77.5°	569.5	706.6	769.2	569.5	402.5
80°	447.2	480.0	593.3	500.9	357.8
82.5°	310.1	354.8	411.4	432.3	295.2
85°	190.8	235.5	298.2	354.8	211.7
87.5°	80.5	128.2	205.7	274.3	116.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)