Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P433987

Luminaire Tested: **LAMR4B308R159730DE01021MB**

Issue Date: 11/23/2020

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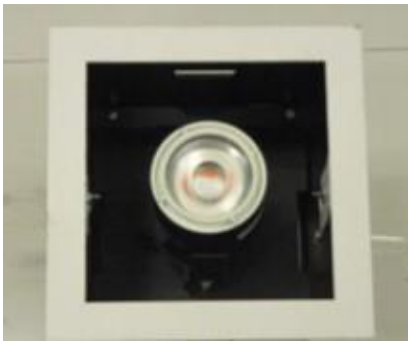
Test Information

Test Method:	LM-41-14
Report Number:	P433987
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1911-585-6)
Test Lab:	INNOVATION CENTER (G1)
Issue Date:	11/23/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LAMR4B308R159730DE01021MB
Description:	PORTFOLIO 4INCH ADJUSTABLE MULTIPLE, 15 DEG TIR OPTIC
Light Source:	HIGH LUMEN LED 97CRI / 3000K CCT
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2205.2 lumens
Efficiency:	N/A
Efficacy:	69.1 lumens/watt
Spacing Criteria (0/90/45):	0.3 / 0.3 / 0.29
Luminous Opening:	Circular (Dia: 0.29' x H: 0')
CIE Type:	Direct

Input Watts (W):	31.9
Input Voltage (V):	NR
Input Current (Ain):	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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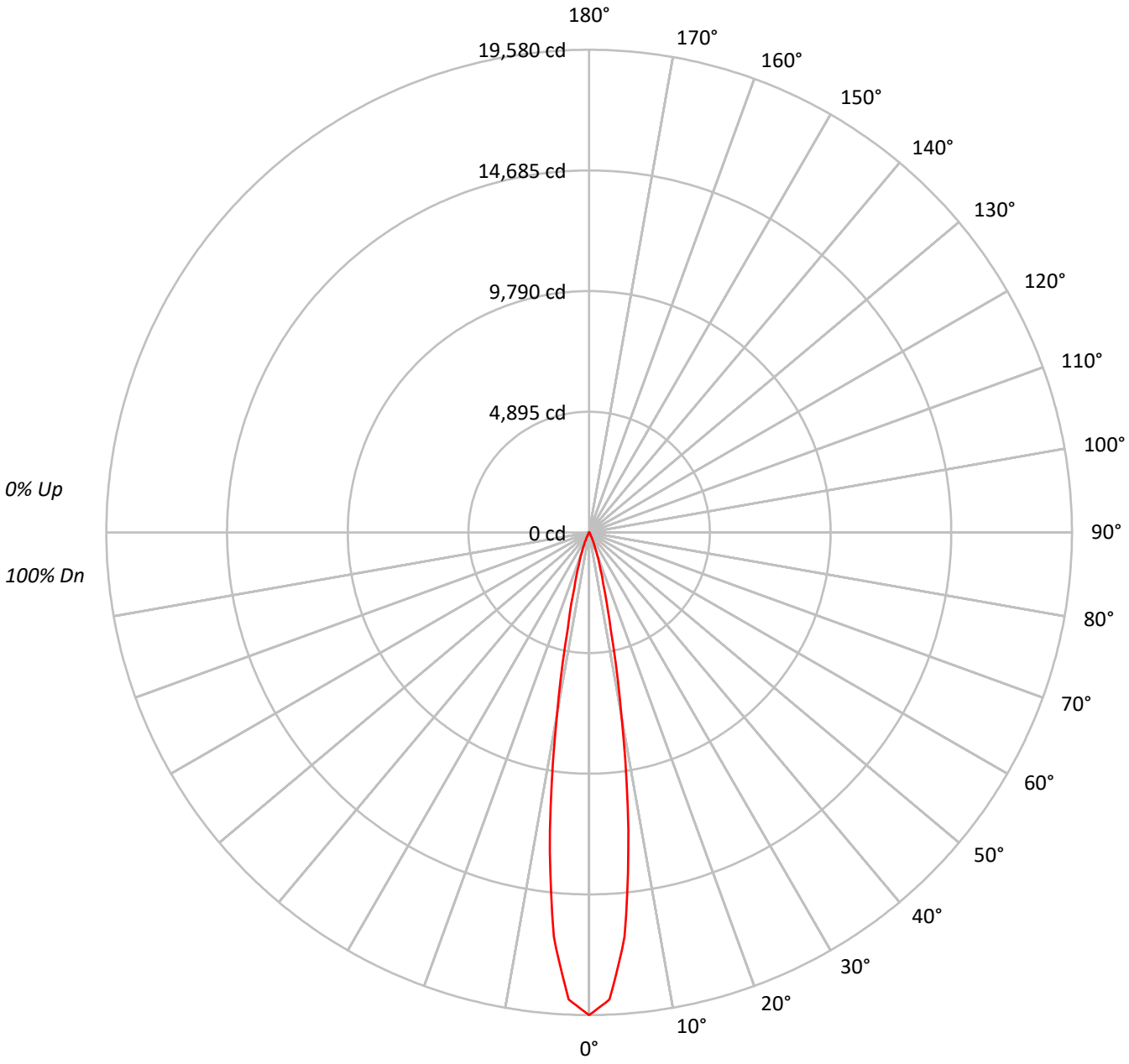
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96
3	110	106	103	101	108	105	102	100	103	100	98	100	99	97	98	97	96	94
4	108	103	100	97	106	102	99	97	100	98	96	98	96	95	97	95	94	93
5	105	101	97	95	104	100	97	94	98	96	94	97	95	93	95	94	92	91
6	103	98	95	92	102	98	94	92	96	94	92	95	93	91	94	92	91	90
7	101	96	93	90	100	96	92	90	95	92	90	94	91	89	93	91	89	88
8	99	94	91	89	99	94	91	89	93	90	88	92	90	88	91	89	88	87
9	98	92	89	87	97	92	89	87	91	89	87	91	88	87	90	88	86	86
10	96	91	88	86	95	91	88	86	90	87	85	89	87	85	89	87	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3154348
5°	2662157
10°	1223041
15°	381375
20°	155396
25°	50981
30°	15794
35°	3343
40°	841
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1270.3	57.6
10°-20°	757.1	34.3
20°-30°	160.4	7.3
30°-40°	16.9	0.8
40°-50°	0.5	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	2187.7	99.2
0°-40°	2204.6	100.0
0°-60°	2205.2	100.0
0°-90°	2205.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2205.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19580	
5°	16462	###
15°	2287	757
25°	287	160
35°	17	17
45°	0	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19579.6
2.5°	18961.0
5°	16461.6
7.5°	12186.3
10°	7476.3
12.5°	3989.5
15°	2286.6
17.5°	1436.1
20°	906.4
22.5°	534.7
25°	286.8
27.5°	161.9
30°	84.9
32.5°	43.0
35°	17.0
37.5°	9.0
40°	4.0
42.5°	1.0
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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0°-180°

(END OF REPORT)