

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: PORTFOLIO

Report Number: P248017

Luminaire Tested: **LD8B200D010 ER8B200930 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B200D010 ER8B200930 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17415.9 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

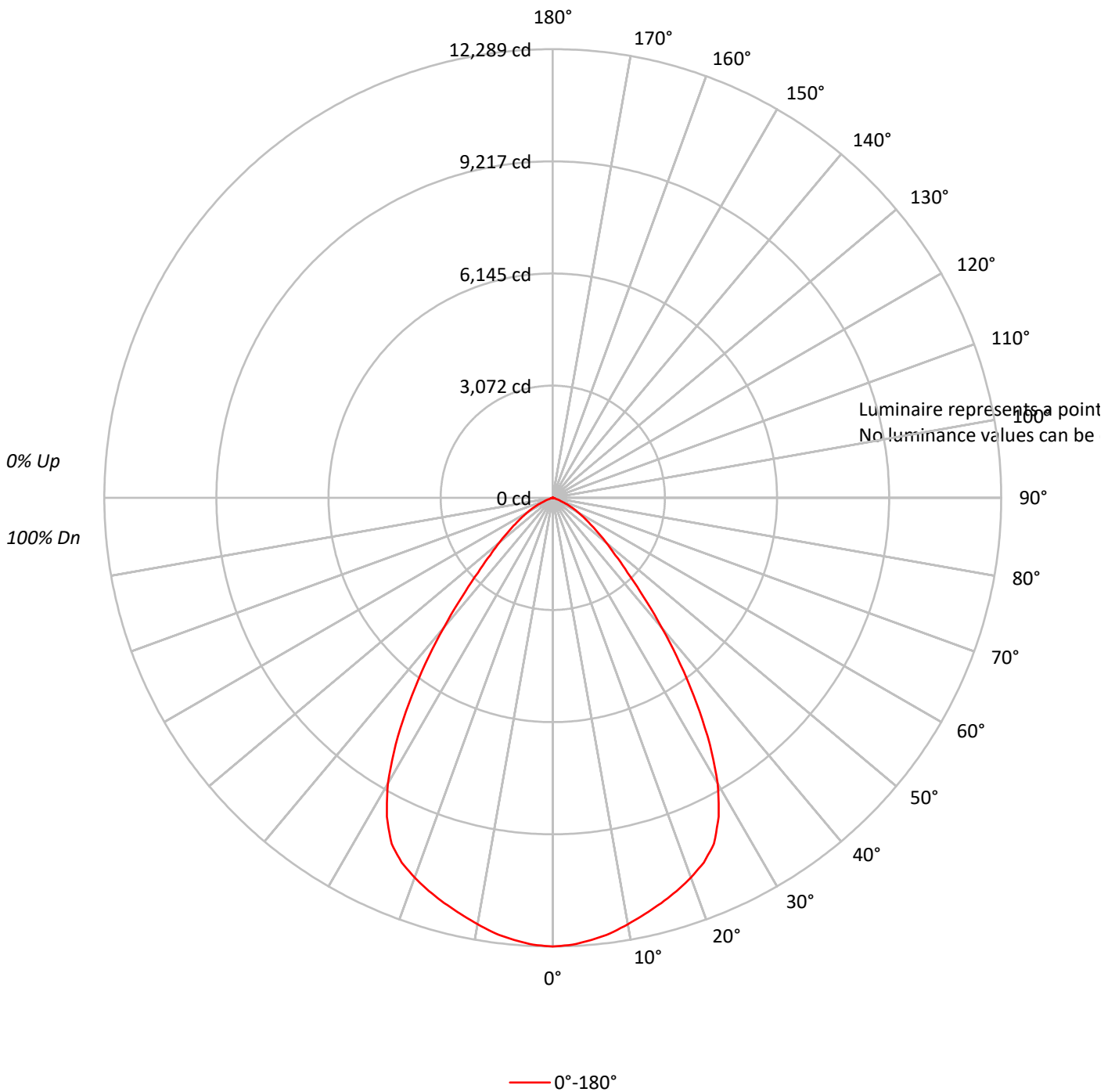
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79		85	81	77		82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71		78	74	70		76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64		72	67	64		71	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61	56	53	51
8	72	61	54	49	71	61	54	49	59	53	49		58	53	49		57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45		54	49	45		54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1151.6	6.6
10°-20°	3243.1	18.6
20°-30°	4736.0	27.2
30°-40°	4259.3	24.5
40°-50°	2329.5	13.4
50°-60°	1154.9	6.6
60°-70°	456.1	2.6
70°-80°	73.5	0.4
80°-90°	11.9	0.1
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°	9130.7	52.4
0°-40°	13390.1	76.9
0°-60°	16874.4	96.9
0°-90°	17415.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17415.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12289	
5°	12160	###
15°	11490	3243
25°	10452	4736
35°	6874	4259
45°	2900	2329
55°	1253	1155
65°	456	456
75°	56	73
85°	15	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12289.4
2.5°	12255.3
5°	12159.7
7.5°	12035.5
10°	11860.7
12.5°	11675.0
15°	11490.4
17.5°	11292.6
20°	11068.4
22.5°	10812.3
25°	10451.8
27.5°	9845.2
30°	9035.1
32.5°	8014.1
35°	6874.4
37.5°	5736.9
40°	4650.0
42.5°	3670.8
45°	2900.4
47.5°	2324.5
50°	1918.9
52.5°	1561.8
55°	1252.9
57.5°	1012.3
60°	810.0
62.5°	640.8
65°	456.1
67.5°	271.5
70°	163.8
72.5°	92.4
75°	56.0
77.5°	36.3
80°	26.3
82.5°	8.7
85°	15.4
87.5°	6.6
90°	0.0

(END OF REPORT)